



**ENGINEERING
SUPPLIES**

Smart Choice!

2024 CATALOGUE



Cable, Cabling Accessories, Motor Accessories, Stain-Proof, Lugs & Terminals, Heat Shrinks, Insulations & Insulators, LV & HV Cable Accessories

Our Aim

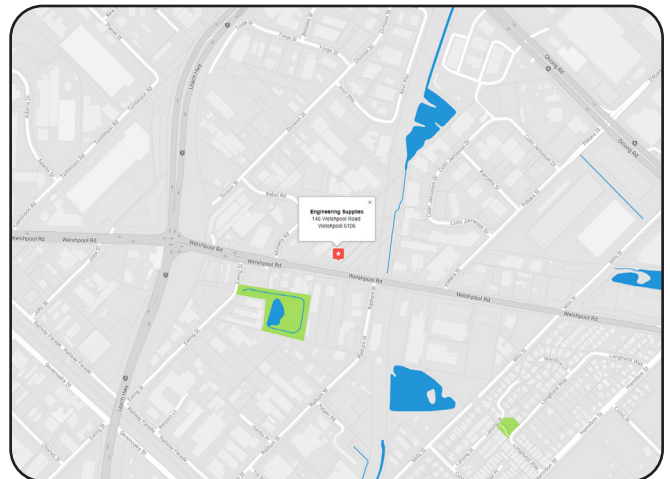
Engineering Supplies aims to be the first supplier of choice and always exceed its customer's expectations through competitive pricing, quality products and exceptional service.

Large stock holdings enable Engineering Supplies to meet customer requirements in a timely manner.

Our Products

Importers of cable ties, cable wraps & glands, electrical insulations, lugs and terminals, switchboard laminates & accessories and act as distributors of quality brands such as KSS, Raychem, Utilux, TE, Dulmison, Critchley, Termco, Vass, Cembre & Raytech amongst others.

Engineering Supplies is also the West Australian distributor for Dry Treat sealers, Tyree Cable, Noja and Phoenix Contact products.



Where can you find us?

146 Welshpool Road - Welshpool WA 6106


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RING TERMINALS



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BLADE TERMINALS



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BLADE HOOK TERMINALS



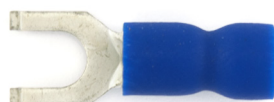
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FORK TERMINALS



P. **03**

FORK HOOK TERMINALS



P. **03**

BOOTLACE TERMINALS



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DUAL BOOTLACE TERMINALS



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BOOT LACE TERMINALS (UNINSULATED)



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PIN TERMINALS



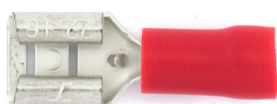
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PUSH ON MALE SPADE TERMINALS



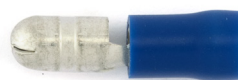
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PUSH ON FEMALE SPADE TERMINALS



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COPPER BELL MOUTH CRIMP LUGS



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COPPER LONG PALM CRIMP LUGS



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UTILUX TERMINALS AND LUGS



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Termco Terminals & Lugs



HD Terminals & Copper Lugs

All Termco Heavy Duty Copper Tube Lugs & Sheet Terminals are made from the highest possible specifications and are electro Tinned finished. Only the highest grade Oxygen Free copper is used, with a conductivity of 99.9% by I.A.C.S Standards.

The Termco range is manufactured to Australian Dimensions, complies with Australian Standard AS/NZ4325.1 and is fully compatible with existing Australian Tooling.

Pre-Insulated & Non-Insulated Compression Terminals

The Termco range of Pre-Insulated and Non-Insulated Compression Terminals has been designed and manufactured to the highest standards to provide terminals that comply with most international codes and standards.

The terminal range, along with the technical specifications has the full endorsed recognition of the Underwriters Laboratory and the Canadian Standards Association.

This includes both the compression and disconnect terminals.

Termco Terminals are easy entry designed, saving time and money and ensuring the right termination - every time!

1. Easy entry guides cable strand into position



2. Eliminates cable strand flares when inserted



3. Ensures fast, positive and consistent insulation



Termco Size Codings:

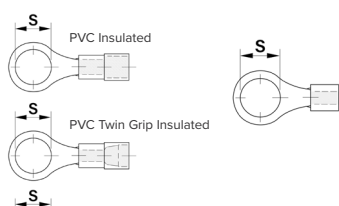
No.1	Red Insulation	Conductor Size	0.5 - 1.5mm ²	22 - 16 AWG
No.2	Blue Insulation	Conductor Size	1.5 - 2.5mm ²	16 - 14 AWG
No.3	Yellow Insulation	Conductor Size	2.5 - 6.0mm ²	12 - 04 AWG

Termco Terminals & Lugs

Ring Terminals

- Conductor size: 0.5 - 6.0mm²

TERMCO

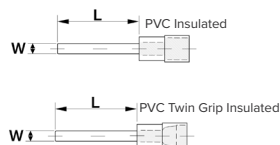


Part Number			Colour	Conductor Range	Stud Size S (mm)	Pack Qty
Insulated	Twin Grip Insulated	Non Insulated				
TVR1-3	TVR1-3TG	TR1-3	Red	0.5-1.5mm ²	3	100
-	-	TR1-3.7	Red	0.5-1.5mm ²	3.5	100
TVR1-4	TVR1-4TG	TR1-4	Red	0.5-1.5mm ²	4	100
TVR1-4L	-	TR1-4L	Red	0.5-1.5mm ²	4	100
TVR1-5	TVR1-5TG	TR1-5	Red	0.5-1.5mm ²	5	100
TVR1-6	TVR1-6TG	TR1-6	Red	0.5-1.5mm ²	6	100
TVR1-8	TVR1-8TG	TR1-8	Red	0.5-1.5mm ²	8	100
TVR1-10	TVR1-10TG	TR1-10	Red	0.5-1.5mm ²	10	100
TVR1-12	TVR1-12TG	TR1-12	Red	0.5-1.5mm ²	12	100
TVR2-3	TVR2-3TG	TR2-3	Blue	1.5-2.5mm ²	3	100
TVR2-3L	-	TR2-3L	Blue	1.5-2.5mm ²	3	100
TVR2-4	TVR2-4TG	TR2-4	Blue	1.5-2.5mm ²	4	100
TVR2-5	TVR2-5TG	TR2-5	Blue	1.5-2.5mm ²	5	100
TVR2-6	TVR2-6TG	-	Blue	1.5-2.5mm ²	6	100
TVR2-8	TVR2-8TG	-	Blue	1.5-2.5mm ²	8	100
TVR2-10	TVR2-10TG	-	Blue	1.5-2.5mm ²	10	100
TVR2-12	TVR2-12TG	TR2-12	Blue	1.5-2.5mm ²	12	100
TVR5-3	-	-	Yellow	2.5-6.0mm ²	3	50
TVR5-3.7	-	-	Yellow	2.5-6.0mm ²	3.5	50
TVR5-4	TVR5-4TG	TR5-4	Yellow	2.5-6.0mm ²	4	50
TVR5-5	TVR5-5TG	TR5-5	Yellow	2.5-6.0mm ²	5	50
TVR5-6	TVR5-6TG	TR5-6	Yellow	2.5-6.0mm ²	6	50
TVR5-8L	TVR5-8LTG	-	Yellow	2.5-6.0mm ²	8	50
TVR5-10	TVR5-10TG	-	Yellow	2.5-6.0mm ²	10	50
TVR5-12	TVR5-12TG	-	Yellow	2.5-6.0mm ²	12	50

Blade Terminals

- Conductor size: 0.5 - 6.0mm²

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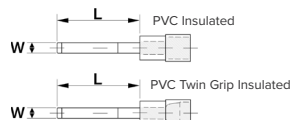


Part Number		Colour	Conductor Range	Blade Length L (mm)	Blade Width W (mm)	Pack Qty
Insulated	Twin Grip Insulated					
TVB1-10	TVB1-10TG	Red	0.5-1.5mm ²	10.7	2.4	100
TVB1-11	TVB1-11TG	Red	0.5-1.5mm ²	11	3	100
TVB1-14	TVB1-14TG	Red	0.5-1.5mm ²	14	3	100
TVB1-18	TVB1-18TG	Red	0.5-1.5mm ²	18	2.4	100
TVB2-9	TVB2-9TG	Blue	1.5-2.5mm ²	9	2.8	100
TVB2-18	TVB2-18TG	Blue	1.5-2.5mm ²	18	2.8	100
TVB5-10	TVB5-10TG	Yellow	2.5-6.0mm ²	10	2.8	50
-	TVB5-14TG	Yellow	2.5-6.0mm ²	14	4.5	50

Hooked Blade Terminals

- Conductor size: 0.5 - 6.0mm²

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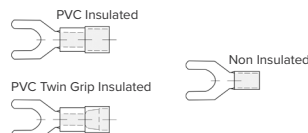


Part Number		Colour	Conductor Range	Blade Length (mm)	Blade Width (mm)	Pack Qty
Insulated	Twin Grip Insulated					
TVB1-13H	TVB1-13HTG	Red	0.5-1.5mm ²	18	3	100
TVB1-13HW	-	Red	0.5-1.5mm ²	18	4.7	100
TVB2-13H	TVB2-13HTG	Blue	1.5-2.5mm ²	18	3	100
TVB2-13HW	-	Blue	1.5-2.5mm ²	18	4.7	100
-	TVB2-18HTG	Blue	1.5-2.5mm ²	18	3	100
TVB5-13H	TVB5-13HTG	Yellow	2.5-6.0mm ²	17.5	3	50
TVB5-13HW	-	Yellow	2.5-6.0mm ²	17.5	4.7	50

Fork Terminals

- Conductor size: 0.5 - 6.0mm²

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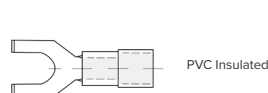


Part Number			Colour	Conductor Range	Stud Size (mm)	Pack Qty
Insulated	Twin Grip Insulated	Non Insulated				
TVF1-3	TVF1-3TG	-	Red	0.5-1.5mm ²	3	100
TVF1-3N	TVF1-3NTG	-	Red	0.5-1.5mm ²	3.5	100
TVF1-4N	TVF1-4NTG	TF1-4N	Red	0.5-1.5mm ²	4	100
TVF1-4	TVF1-4TG	-	Red	0.5-1.5mm ²	4	100
TVF1-5	TVF1-5TG	-	Red	0.5-1.5mm ²	5	100
TVF1-6	TVF1-6TG	-	Red	0.5-1.5mm ²	6	100
TVF2-3	TVF2-3TG	-	Blue	1.5-2.5mm ²	3	100
TVF2-3N	TVF2-3NTG	-	Blue	1.5-2.5mm ²	3.5	100
TVF2-4N	-	-	Blue	1.5-2.5mm ²	4	100
TVF2-4	TVF2-4TG	TF2-4	Blue	1.5-2.5mm ²	4	100
TVF2-5	TVF2-5TG	TF2-5	Blue	1.5-2.5mm ²	5	100
TVF2-6	TVF2-6TG	-	Blue	1.5-2.5mm ²	6	100
TVF5-3	-	-	Yellow	2.5-6.0mm ²	3	50
TVF5-4	TVF5-4TG	-	Yellow	2.5-6.0mm ²	4	50
TVF5-4L	TVF5-4LTG	-	Yellow	2.5-6.0mm ²	4	50
TVF5-5	TVF5-5TG	TF5-5	Yellow	2.5-6.0mm ²	5	50
TVF5-6	TVF5-6TG	TF5-6	Yellow	2.5-6.0mm ²	6	50

Flanged Fork Terminals

- Conductor size: 0.5 - 2.5mm²

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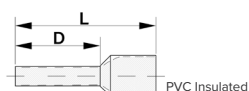
Part Number	Colour	Conductor Range	Stud Size (mm)	Pack Qty
TVF1-3F	Red	0.5-1.5mm ²	3.5	100
TVF1-4F	Red	0.5-1.5mm ²	4	100
TVF2-3F	Blue	1.5-2.5mm ²	3.5	100
TVF2-4F	Blue	1.5-2.5mm ²	4	100
TVF2-5F	Blue	1.5-2.5mm ²	5	100

Termco Terminals & Lugs

Cord End Terminals (Boot Lace) Insulated

- Conductor size: 0.25 - 95mm²

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PVC Insulated



Part Number	Colour	Cable Size	Pin Length D (mm)	Overall Length L (mm)	Pack Qty
Insulated					
TICE1125	Violet	0.25mm ²	6	10.4	100
TICE1134	Pink	0.34mm ²	6	10.4	100
TICE0505	White	0.5mm ²	8.2	14	100
TICE7575	Blue	0.75mm ²	8.2	14.6	100
TICE1010	Red	1mm ²	8.2	14.6	100
TICE1515	Black	1.5mm ²	8.2	14.6	100
TICE1515L	Black	1.5mm ²	10	16.4	100
TICE1515X	Black	1.5mm ²	12	18.4	100
TICE1515XL	Black	1.5mm ²	18	24.4	100
TICE2525	Grey	2.5mm ²	8.2	15.2	100
TICE2525L	Grey	2.5mm ²	12	19	100
TICE2525XL	Grey	2.5mm ²	18	25	100
TICE4040	Orange	4mm ²	9	16.5	100
TICE4040XL	Orange	4mm ²	18	25.5	100
TICE6040	Green	6mm ²	12	20	100
TICE6040XL	Green	6mm ²	18	26	100
TICE0010	Brown	10mm ²	12	21.5	100
TICE0010XL	Brown	10mm ²	18	27.5	100
TICE0016	Ivory	16mm ²	12	22.2	100
TICE0016L	Ivory	16mm ²	18	28.2	100
TICE0025	Black	25mm ²	16	29	100
TICE0025L	Black	25mm ²	22	35	100
TICE0035	Red	35mm ²	16	28	100
TICE0050	Blue	50mm ²	20	34	100
TICE0070	Yellow	70mm ²	20	35	100
TICE0095	Red	95mm ²	25	42	50

Dual Cable Cord End Terminals (Boot Lace)

- Conductor size: 0.5 - 16mm²

TERMCO



PVC Insulated

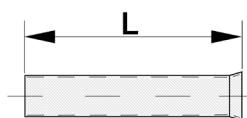


Part Number	Colour	Cable Size	Pin Length D (mm)	Overall Length L (mm)	Pack Qty
Insulated					
TICE2005	White	2 x 0.5mm ²	8	15	100
TICE2007	Grey	2 x 0.75mm ²	8	15	100
TICE2010	Red	2 x 1mm ²	8	15	100
TICE2015	Black	2 x 1.5mm ²	8	16	100
TICE2025	Blue	2 x 2.5mm ²	10	18	100
TICE2040	Lt Grey	2 x 4mm ²	12	23	100
TICE2060	Yellow	2 x 6mm ²	14	24	100
TICE2100	Red	2 x 10mm ²	14	26	100
TICE2160	Blue	2 x 16mm ²	14	31	100

Cord End Terminals (Boot Lace) Non Insulated

- Conductor size: 0.5 - 70mm²

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Non Insulated



Part Number	Cable Size (mm)	Overall Length L (mm)	Pack Qty
TUCE0505	0.5mm ²	6	100
TUCE7575	0.75mm ²	10	100
TUCE1010	1mm ²	10	100
TUCE1515/8	1.5mm ²	8	100
TUCE1515	1.5mm ²	10	100
TUCE2525/8	2.5mm ²	8	100
TUCE2525	2.5mm ²	12	100
TUCE4040	4mm ²	12	100
TUCE6040	6mm ²	15	100
TUCE0010	10mm ²	15	100
TUCE0016	16mm ²	15	100
TUCE0016/18	16mm ²	18	100
TUCE0025	25mm ²	15	100
TUCE0025/18	25mm ²	18	100
TUCE0035	35mm ²	20	100
TUCE0050	50mm ²	22	100
TUCE0070	70mm ²	26	100

Pin Terminals

- Conductor size: 0.5 - 6.0mm²

TERMCO



PVC Insulated



PVC Twin Grip Insulated



Part Number		Colour	Pin Width W (mm)	Pin Length D (mm)	Overall Length L (mm)	Pack Qty
Insulated	Twin Grip Insulated					
TVP1-9	TVP1-9TG	Red	1.9	9	18.5	100
TVP1-12	TVP1-12TG	Red	1.9	12	21.2	100
TVP2-9	TVP2-9TG	Blue	1.9	9	18.5	100
TVP2-12	TVP2-12TG	Blue	1.9	12	21.2	100
TVP5-14	TVP5-14TG	Yellow	2.9	14	27.2	50

UTILUX BOOTLACE CRIMPER

UT#112

0.5 - 10mm²

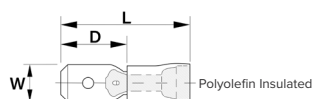


*Other sizes available on request

Termco Terminals & Lugs

Push on Male Terminals

- Quick Connect Tabs

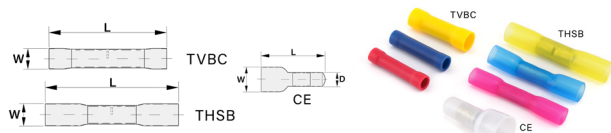


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Part Number	Colour	Conductor Range	Tab Length D (mm)	Tab Width W (mm)	Overall Length L (mm)	Pack Qty
Insulated						
TVP01-4.8M8	Red	0.5-1.5mm ²	4.8	0.8	9.5	100
TVP01-6.3M	Red	0.5-1.5mm ²	6.3	0.8	9.5	100
TVP02-4.8M	Blue	1.5-2.5mm ²	4.8	0.8	9.5	100
TVP02-6.3M	Blue	1.5-2.5mm ²	6.3	0.8	9.5	100
TVP05-6.3M	Yellow	2.5-6.0mm ²	6.3	0.8	9.5	50
Non Insulated		Conductor Range	Tab Length (mm)	Tab Width (mm)	Overall Length (mm)	Pack Qty
TP01-6.3M		0.5-1.5mm ²	6.3	0.8	9.5	100
TP02-6.3M		1.5-2.5mm ²	6.3	0.8	9.5	100

Butt Connectors & Parallel Connectors

- Conductor size: 0.5 - 6.0mm²

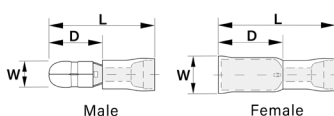


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Butt Connectors						
P/N	Colour	Conductor Size	Connector Width (mm)	Overall Length (mm)		Pack Qty
Insulated						
TVBC1	Red	0.5-1.5mm ²	3.3	22.7		100
TVBC2	Blue	1.5-2.5mm ²	4	22.7		100
TVBC5	Yellow	2.5-6.0mm ²	5.5	26.7		50
Parallel Connectors (Heat Shrinkable)						
THSB1	Red	0.5-1.5mm ²	3.3	22.7		100
THSB2	Blue	1.5-2.5mm ²	4	22.7		100
THSB5	Yellow	2.5-6.0mm ²	5.5	26.7		50
Closed End Connectors (Insulated)						
P/N	Colour	Conductor Size	Connector Width (mm)	Closed End Width (mm)	Overall Length (mm)	Pack Qty
Insulated						
CE-1	Clear	1-1.75mm ²	6.4	4.9	15.3	100
CE-2	Clear	1-2.5mm ²	6.6	5.7	15.3	100
CE-5	Clear	2-5.5mm ²	9.4	7.2	17.1	100
CE-8	Clear	4-9mm ²	12	4.7	27.8	100

Brass and Auto Bullet Terminals

- Conductor size: 0.5 - 6.0mm²



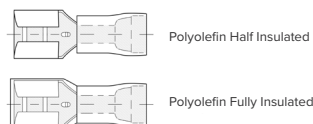
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Part Number		Colour	Conductor Size	Male Bullet Length (mm)	Male Bullet Width (mm)	Overall Length (mm)		Pack Qty
Male	Female					M	F	
TVAB1M	TVAB1F	Red	0.5-1.5mm ²	3.3	22.7	23	26	100
TVAB2M	TVAB2F	Blue	1.5-2.5mm ²	4	22.7	23	26	100
TVAB5M	TVAB5F	Yellow	2.5-6.0mm ²	5.5	26.7	23	26	50

*Other sizes available on request

Push On Female Terminals

- Quick Connect Receptacles

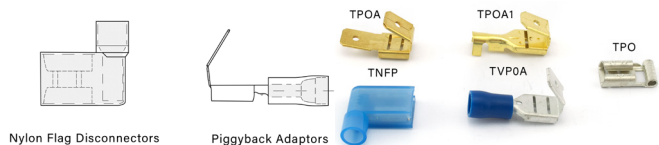


TERMCO

Part Number		Insulation Colour	Conductor Size (mm)	Suitable Tab Size (mm)	Pack Qty
Half Insulated	Fully Insulated				
TVP01-2.8F5	TNFP01-2.8F5	Red	0.5-1.5mm ²	2.8 x 0.5	100
TVP01-2.8F8	TNFP01-2.8F8	Red	0.5-1.5mm ²	2.8 x 0.8	100
-	TVFP01-2.8F8	Red	0.5-1.5mm ²	2.8 x 0.8	100
TVP01-4.8F5	TVFP01-4.8F5	Red	0.5-1.5mm ²	4.8 x 0.5	100
TVP01-4.8F8	TVFP01-4.8F8	Red	0.5-1.5mm ²	4.8 x 0.8	100
TVP01-6.3F	TVFP01-6.3F	Red	0.5-1.5mm ²	6.3	100
-	TNFP01-6.3F	Red	0.5-1.5mm ²	6.3	100
TVP02-2.8F8	-	Blue	1.5-2.5mm ²	2.8 x 0.8	100
-	TVFP02-4.8F5	Blue	1.5-2.5mm ²	4.8 x 0.5	100
TVP02-4.8F8	TVFP02-4.8F8	Blue	1.5-2.5mm ²	4.8 x 0.8	100
TVP02-6.3F	TVFP02-6.3F	Blue	1.5-2.5mm ²	6.3	100
-	TNFP-2-6.3F	Blue	1.5-2.5mm ²	6.3	100
TVP05-6.3F	TVFP05-6.3F	Yellow	2.5-6.0mm ²	6.3	50
TVP05-9.5F	-	Yellow	2.5-6.0mm ²	9	50
Non Insulated			Conductor Size	Suitable Tab Size (mm)	Pack Qty
TP01-2.8F8			0.5-1.5mm ²	2.8 x 0.8	100
TP01-4.8F5			0.5-1.5mm ²	4.8 x 0.5	100
TP01-6.3F			0.5-1.5mm ²	6.3	100
TP02-4.8F5			1.5-2.5mm ²	4.8 x 0.5	100
TP02-6.3F			1.5-2.5mm ²	6.3	100

Piggyback Adaptors and Covers

- Conductor size: 0.5 - 6.0mm²



TERMCO

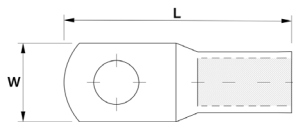
Male / Female Piggyback Adaptors Insulated & Non Insulated				
Part Number	Colour	Part Number	Conductor Size	Pack Qty
Insulated		Non Insulated		
TVPOA1-6.3	Red	TPOA1-6.3	0.5-1.5mm ²	100
TVPOA2-6.3	Blue	-	1.5-2.5mm ²	100
TVPOA5-6.3	Yellow	-	2.5-6.0mm ²	50
Push On Terminal Insulating Covers				
Part Number	Stud Size (mm)	Cover End Dimensions (mm)	Pack Qty	
TVC2.8	2.8	4 x 2.4	100	
Piggyback Adaptor (non-crimp)				
Part Number	To Suit Tab Width (mm)			Pack Qty
TPOA-6.3	6.3	100		
Female Flag Disconnecter				
TP01-6.3FLAG	6.3	100		
Female Flag Disconnectors				
Part Number	Colour	Conductor Size		Pack Qty
TNFP01-6.3FLAG	Red	0.5-1.5mm ²		100
TNFP02-6.3FLAG	Blue	1.5-2.5mm ²		100

Termco Terminals & Lugs

Copper Crimp Lugs

- Conductor Size: 1.5 - 50mm²

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Part Number	Cable Size	Stud Size (mm)	Overall Width W (mm)	Overall Length L (mm)	Pack Qty	Crimping Die
TCL1.5-4	1.5mm ²	4	8	18.5	100	-
TCL1.5-5	1.5mm ²	5	8	18.5	100	-
TCL1.5-6	1.5mm ²	6	10	20.5	100	-
TCL2.5-4	2.5mm ²	4	8	18	100	-
TCL2.5-5	2.5mm ²	5	10	20	100	-
TCL2.5-6	2.5mm ²	6	10	20	100	-
TCL2.5-8	2.5mm ²	8	11	24	100	-
TCL4-4	4mm ²	4	10	23	100	-
TCL4-5	4mm ²	5	10	22	100	-
TCL4-6	4mm ²	6	10	22	100	-
TCL4-8	4mm ²	8	12	26	100	-
TCL4-10	4mm ²	10	12	32	100	-
TCL6-4	6mm ²	4	10	22.5	100	38-44CU
TCL6-5	6mm ²	5	10	23	100	
TCL6-6	6mm ²	6	12	27	100	
TCL6-8	6mm ²	8	12	27	100	
TCL6-10	6mm ²	10	16	32	100	38-57CU
TCL10-4	10mm ²	4	11	27	100	
TCL10-5	10mm ²	5	12	27	100	
TCL10-6	10mm ²	6	12	27	100	
TCL10-8	10mm ²	8	14	29	100	
TCL10-10	10mm ²	10	16	32	100	
TCL10-12	10mm ²	12	18	32	100	38-63CU
TCL16-5	16mm ²	5	11	37	50	
TCL16-6	16mm ²	6	11	37	50	
TCL16-8	16mm ²	8	14	39	50	
TCL16-10	16mm ²	10	16	41	50	
TCL16-12	16mm ²	12	18	46	50	38-77CU
TCL25-5	25mm ²	5	13.5	41	50	
TCL25-6	25mm ²	6	13.5	41	50	
TCL25-8	25mm ²	8	13.5	41	50	
TCL25-10	25mm ²	10	16	44	50	
TCL25-12	25mm ²	12	18	48	50	38-92CU
TCL35-5	35mm ²	5	16	44	50	
TCL35-6	35mm ²	6	16	44	50	
TCL35-8	35mm ²	8	16	44	50	
TCL35-10	35mm ²	10	18	46	50	
TCL35-12	35mm ²	12	20	51	50	
TCL35-16	35mm ²	16	23	58	50	38-104CU
TCL50-6	50mm ²	6	18	48	50	
TCL50-8	50mm ²	8	18	48	50	
TCL50-10	50mm ²	10	18	48	50	
TCL50-12	50mm ²	12	21	52	50	
TCL50-16	50mm ²	16	25	57	50	

Copper Crimp Lugs

- Conductor Size: 70 - 630mm²

TERMCO

Part Number	Cable Size	Stud Size (mm)	Overall Width (mm)	Overall Length (mm)	Pack Qty	Crimping Die
TCL70-6	70mm ²	6	21	54	35	38-115CU
TCL70-8	70mm ²	8	21	54	35	
TCL70-10	70mm ²	10	21	54	35	
TCL70-12	70mm ²	12	21	54	35	
TCL70-16	70mm ²	16	28	54	35	
TCL95-6	95mm ²	6	25	64	25	38-142CU
TCL95-8	95mm ²	8	25	60	25	
TCL95-10	95mm ²	10	25	60	25	
TCL95-12	95mm ²	12	25	60	25	
TCL95-16	92mm ²	16	28	64	25	
TCL120-8	120mm ²	8	29.5	64	15	38-165CU
TCL120-10	120mm ²	10	29.5	64	15	
TCL120-12	120mm ²	12	29.5	64	15	
TCL120-16	120mm ²	16	29.5	68	15	
TCL120-20	120mm ²	20	32	83.5	15	38-183CU
TCL150-10	150mm ²	10	32	71	12	
TCL150-12	150mm ²	12	32	80	12	
TCL150-16	150mm ²	16	32	80	12	38-200CU
TCL185-10	185mm ²	10	34.8	74	10	
TCL185-12	185mm ²	12	34.8	83	10	
TCL185-16	185mm ²	16	34.8	83	10	38-231CU
TCL240B	240mm ²	Blank	40	92	12	
TCL240-10	240mm ²	10	40	92	12	
TCL240-12	240mm ²	12	40	92	12	
TCL240-14	240mm ²	14	39	92	12	
TCL240-16	240mm ²	16	40	92	12	38-231CU
TCL300B	300mm ²	Blank	44.7	101	9	
TCL300-12	300mm ²	12	44.7	101	9	
TCL300-16	300mm ²	16	44.7	101	9	
TCL400B	400mm ²	Blank	50	114	5	
TCL400-12	400mm ²	12	50	116	5	
TCL400-16	400mm ²	16	50	116	5	
TCL400-20	400mm ²	20	50	116	5	
TCL500B	500mm ²	Blank	56	124	4	
TCL500-12	500mm ²	12	56	128	4	
TCL500-16	500mm ²	16	56	129	4	
TCL630B	630mm ²	Blank	64.4	134	3	
TCL630-12	630mm ²	12	64.4	140	3	
TCL630-20	630mm ²	20	64.4	140	3	

UTILUX COPPER LUG CRIMPER

UT#103

0.5 - 16mm²



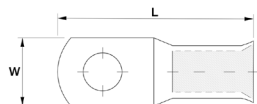
*Other sizes available on request

Termco Terminals & Lugs

Copper Bell Mouth Lugs

- Conductor Size: 10 - 300mm²

TERMCO

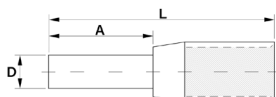


Part Number	Cable Size	Stud Size (mm)	Overall Width W (mm)	Overall Length L (mm)	Pack Qty
TCLB10-8	10mm ²	8	13	29	100
TCLB10-10	10mm ²	10	16	38	100
TCLB16-6	16mm ²	6	11	37	50
TCLB16-8	16mm ²	8	14	39	50
TCLB16-10	16mm ²	10	16	41	50
TCLB16-12	16mm ²	12	17	48	50
TCLB25-6	25mm ²	6	13.5	41	50
TCLB25-8	25mm ²	8	13.5	41	50
TCLB25-10	25mm ²	10	16	44	50
TCLB25-12	25mm ²	12	16	49	50
TCLB35-6	35mm ²	6	16	44	50
TCLB35-8	35mm ²	8	16	44	50
TCLB35-10	35mm ²	10	18	46	50
TCLB35-12	35mm ²	12	20	51	50
TCLB50-8	50mm ²	8	18	48	50
TCLB50-10	50mm ²	10	18	48	50
TCLB50-12	50mm ²	12	21	52	50
TCLB70-8	70mm ²	8	21	54	35
TCLB70-10	70mm ²	10	21	54	35
TCLB70-12	70mm ²	12	21	54	35
TCLB95-8	95mm ²	8	25	60	25
TCLB95-10	95mm ²	10	25	60	25
TCLB95-12	95mm ²	12	25	60	25
TCLB120-8	120mm ²	8	29	65	15
TCLB120-10	120mm ²	10	29.5	64	15
TCLB120-12	120mm ²	12	29.5	64	15
TCLB150-10	150mm ²	10	32	71	12
TCLB150-12	150mm ²	12	32	80	12
TCLB185-10	185mm ²	10	34.8	74	12
TCLB185-12	185mm ²	12	34.8	83	10
TCLB240B	240mm ²	Blank	40	92	10
TCLB240-12	240mm ²	12	40	92	10
TCLB300B	300mm ²	Blank	47.7	101	9

Copper Stalk Lugs

- Conductor Size: 35 - 120mm²

TERMCO

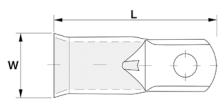


Part Number	Cable Size	Stalk Length A (mm)	Stalk Width D (mm)	Overall Length (mm) L	Pack Qty
TCLS35D8	35mm ²	34	8	70	50
TCLS50D8	50mm ²	34	8	70	50
TCLS70D10	70mm ²	34	10	70	40
TCLS95D10	95mm ²	34	10	70	25
TCLS120D16	120mm ²	38	16	73	20

Copper Narrow Palm / Circuit Breaker Lugs

- Conductor Size: 35 - 300mm²

TERMCO

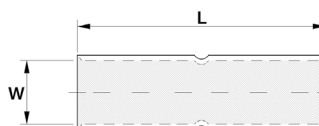


Part Number	Cable Size	Stud Size (mm)	Overall Width W (mm)	Overall Length L (mm)	Pack Qty
TCLNP35-6	35mm ²	6	15	41	50
TCLNP50-6	50mm ²	6	15	43	50
TCLNP50-8	50mm ²	8	15	47	50
TCLNP50-10	50mm ²	10	19	49	50
TCLNP70-6	70mm ²	6	17	45	35
TCLNP70-8	70mm ²	8	19	51	35
TCLNP70-10	70mm ²	10	19	51	35
TCLNP95-8	95mm ²	8	19	51	25
TCLNP95-10	95mm ²	10	19	55	25
TCLNP120-8	120mm ²	8	19	61	15
TCLNP120-10	120mm ²	10	19	61	15
TCLNP150-8	150mm ²	8	19	66	15
TCLNP150-10	150mm ²	10	19	66	15
TCLNP185-10	185mm ²	10	31	74	12
TCLNP240-8	240mm ²	8	31	82	12
TCLNP240-10	240mm ²	10	31	82	12
TCLNP240-12	240mm ²	12	31	86	12
TCLNP300-10	300mm ²	10	31	87	9
TCLNP300-12	300mm ²	12	31	89	9

Copper Crimp Links (Butts)

- Conductor Size: 1.5 - 630mm²

TERMCO



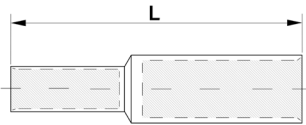
Part Number	Cable Size	Inner Width W (mm)	Overall Length L (mm)	Pack Qty
TCLK1.5	1.5mm ²	1.8	22	100
TCLK2.5	2.5mm ²	2.4	22	100
TCLK4	4mm ²	3.1	22	100
TCLK6	6mm ²	3.6	22	100
TCLK10	10mm ²	4.7	22	100
TCLK16	16mm ²	5.5	44	100
TCLK25	25mm ²	7.1	48	50
TCLK35	35mm ²	8.2	48	50
TCLK50	50mm ²	9.5	48	50
TCLK70	70mm ²	11.2	52	35
TCLK95	95mm ²	13.4	54	25
TCLK120	120mm ²	15.6	66	15
TCLK150	150mm ²	16.7	66	12
TCLK185	185mm ²	18.4	66	10
TCLK240	240mm ²	21.2	91	5
TCLK300	300mm ²	23.5	91	1
TCLK400	400mm ²	26.8	91	1
TCLK500	500mm ²	30	112	1
TCLK630	630mm ²	34	112	1

Termco Terminals & Lugs

Reducing Links

- Conductor Size: 16 - 150mm²

TERMCO

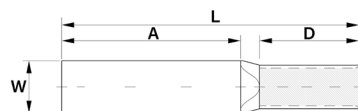


Part Number	Large Cable Size	Small Cable Size	Overall Length L (mm)	Pack Qty
TCLRL16-6	16mm ²	6mm ²	55	100
TCLRL16-10	16mm ²	10mm ²	55	100
TCLRL25-6	25mm ²	6mm ²	56	50
TCLRL25-10	25mm ²	10mm ²	56	50
TCLRL25-16	25mm ²	16mm ²	56	50
TCLRL35-10	35mm ²	10mm ²	56	50
TCLRL35-16	35mm ²	16mm ²	56	50
TCLRL35-25	35mm ²	25mm ²	56	50
TCLRL50-16	50mm ²	16mm ²	58	75
TCLRL50-25	50mm ²	25mm ²	58	75
TCLRL50-35	50mm ²	35mm ²	58	75
TCLRL70-25	70mm ²	25mm ²	58	25
TCLRL70-35	70mm ²	35mm ²	58	25
TCLRL70-50	70mm ²	50mm ²	58	25
TCLRL95-35	95mm ²	35mm ²	75	40
TCLRL95-50	95mm ²	50mm ²	75	40
TCLRL95-70	95mm ²	70mm ²	75	40
TCLRL120-50	120mm ²	50mm ²	75	20
TCLRL120-70	120mm ²	70mm ²	75	20
TCLRL120-95	120mm ²	95mm ²	88	20
TCLRL150-70	150mm ²	70mm ²	77	20
TCLRL150-95	150mm ²	95mm ²	90	20
TCLRL150-120	150mm ²	120mm ²	90	20

Long Palm, Long Barrel Lugs

- Conductor Size: 16- 630mm²

TERMCO

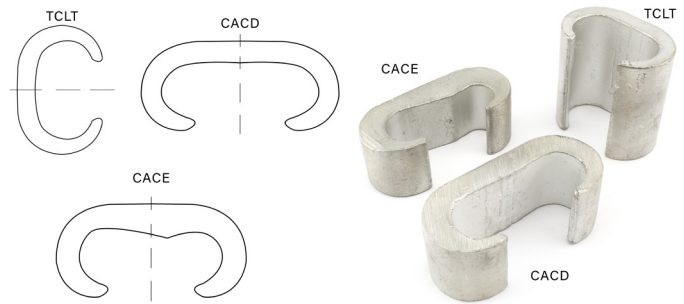


Part Number	Cable Size	Palm Length A (mm)	Barrel Length D (mm)	Overall Width W (mm)	Overall Length L (mm)	Pack Qty
TCLLPB16	16mm ²	61	25	16	86	50
TCLLPB25	25mm ²	61	40	16	95	50
TCLLPB35	35mm ²	72	45	18	112	50
TCLLPB50	50mm ²	80	50	18.2	130	25
TCLLPB70	70mm ²	100	50	21.1	154	1
TCLLPB95	95mm ²	100	50	25	161	1
TCLLPB120	120mm ²	100	50	28.5	168	1
TCLLPB150	150mm ²	100	50	32	169	1
TCLLPB185	185mm ²	100	55	35	174	1
TCLLPB240	240mm ²	100	90	40	192	1
TCLLPB300	300mm ²	105	90	45	208	1
TCLLPB400	400mm ²	110	70	50	228	1
TCLLPB500	500mm ²	110	70	56	235	1
TCLLPB630	630mm ²	110	70	65	247	1

C Connectors

- Conductor Size: 2.5 - 300mm²

TERMCO



Main Conductor (Range 6 - 300mm ²)	Conductor Tap (Range 2.5 - 25mm ²)						
		2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	25mm ²
	6mm ²	-	-	-	-	-	-
	10mm ²	-	-	-	-	-	-
	16mm ²	-	-	-	-	-	-
	20mm ²	-	-	-	-	-	-
	25mm ²	-	-	-	-	-	-
	35mm ²	-	-	-	-	-	-
	50mm ²	-	-	-	TCLT076	TCLT076	TCLT076
	70mm ²	TCLT076	TCLT076	TCLT076	TCLT098	TCLT098	TCLT098
	95mm ²	TCLT098	TCLT122	TCLT122	TCLT122	TCLT122	TCLT122
	120mm ²	TCLT154	TCLT154	TCLT154	TCLT154	TCLT154	TCLT154
	150mm ²	TCLT154	TCLT154	TCLT190	TCLT190	TCLT190	TCLT190
185mm ²	TCLT190	TCLT190	TCLT240	TCLT240	TCLT240	TCLT240	
240mm ²	-	-	-	-	-	-	
300mm ²	-	-	-	-	-	-	
Main Conductor (Range 35 - 300mm ²)	Conductor Tap (Range 35 - 150mm ²)						
		35mm ²	50mm ²	70mm ²	95mm ²	120mm ²	150mm ²
	35mm ²	TCLT076	-	-	-	-	-
	50mm ²	TCLT098	TCLT122	-	-	-	-
	70mm ²	TCLT122	TCLT122	TCLT154	-	-	-
	95mm ²	TCLT154	TCLT154	TCLT190	TCLT190	-	-
	120mm ²	TCLT190	TCLT190	TCLT190	TCLT240	TCLT240	-
	150mm ²	TCLT190	TCLT240	TCLT240	-	-	-
	185mm ²	TCLT240	TCLT240	-	-	-	-
	240mm ²	-	-	-	-	-	-
	300mm ²	-	-	-	-	-	-

TCLCACE - C Connectors				
Part Number	Conductor Range Run	Conductor Range Tap	Height (mm)	Width (mm)
TCLCACE70-120	95 - 120mm ²	10 - 70mm ²	52	24
TCLCACD - C Connectors				
Part Number	Conductor Range Run or Tap	Height (mm)		Width (mm)
TCLCACD070	35 - 70mm ²	35		19
TCLCACD120	95 - 120mm ²	52		24

UTILUX C CRIMP DIES

76 - 240

Page 19



*Other sizes available on request

RING TERMINALS



P. **11**

BULLET TERMINALS



P. **12**

PIN TERMINALS



P. **12**

FORK TERMINALS



P. **12**

BOOTLACE TERMINALS



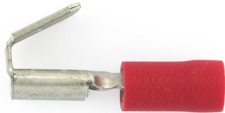
P. **13**

CRIMP CONNECTORS



P. **13**

PIGGYBACK ADAPTORS



P. **13**

PUSH ON (SPADE) TERMINALS



P. **13**

BLADE TERMINALS



P. **13**

COPPER CRIMP LUGS



P. **14**

COPPER BELL MOUTH LUGS



P. **14**

NARROW PALM COPPER LUGS



P. **15**

COPPER CRIMP LINKS



P. **15**

REDUCING CRIMP LINKS



P. **15**

LONG PALM LONG BARREL COPPER LUGS



P. **15**

ALUMINIUM CRIMP LUGS



P. **16**

ALUMINIUM CRIMP LINKS



P. **16**

BI-METAL CRIMP LUGS



P. **16**

BI-METAL CRIMP LINKS



P. **17**

TERMINAL LUGS



P. **17**

FULL & NON TENTION SLEEVES



P. **17**

SHEAR OFF LUGS AND LINKS



P. **18**

CRIMP DIES



P. **19**



UTILUX

Utilux

Utilux is a brand that has built an enviable reputation for high quality, reliable electrical connectors. For over 80 years, this dynamic Australian brand had been a leader in the field of interconnection systems. Utilux has now joined the truly innovative, international market leader, Tyco Electronics.

Un-insulated & Pre-insulated Terminals

Types include : **Utilugs** - non insulated **Pre-insulated Utilugs** - Complete with PVC insulated barrel **Supergrip Utilugs** - Complete with additional copper over the barrel. For use in high vibration conditions.

Copper Conductor Terminations

Utilux Copper Lugs and Links is generally designed for standard metric building cable conforming to AS1125-174. However other types of cable can be used with the correct crimping procedures. The range covers a variety of products including links with solid barriers for oil filled conductor and Sealed copper lugs for paper insulated conductors. With over 80 years of experience Utilux has engineered the correct combination of material thickness and crimp die selection to ensure that the optimum compression ratios are achieved when crimping.

Bi-Metal Lugs and Links

Copper to aluminum terminations can be made with the Utilux range of Bi-Metal products. Under normal conditions, when copper comes into contact with aluminum electrolytic corrosion may result, enhanced by the presence of oxygen. Utilux Bi-Metal lugs have the copper friction welded to the aluminum. The friction welding process eliminates the presence of oxygen and therefore eliminated electrolytic corrosion. The Bi-metal range includes lugs and links for both round and sector conductor.

Aluminum Lugs and Links

Utilux Aluminum Lugs and Links are manufactured from high conductivity aluminum. The lugs are forged to maximize conductivity and strength.

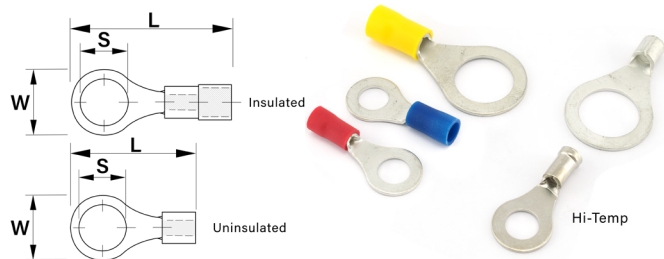
Utilux Size Codings:

No.1	Red Insulation	Conductor Size	0.5 - 1.5mm²	22 - 16 AWG
No.2	Blue Insulation	Conductor Size	1.5 - 2.5mm²	16 - 14 AWG
No.3	Yellow Insulation	Conductor Size	2.5 - 6mm²	12 - 04 AWG

Utilux Terminals & Lugs

Ring Terminals - Utilux

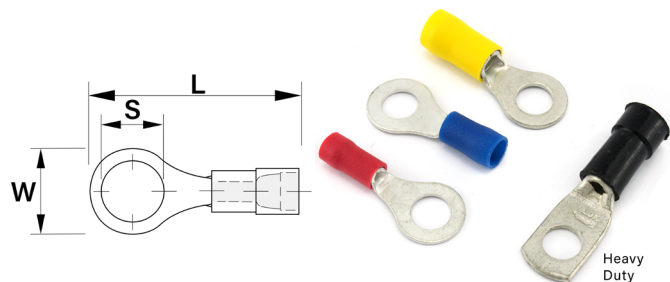
- Conductor size: 0.5 - 6.0mm²



Part Number	Colour	Conductor Range	Stud Size S (mm)	Overall Length L (mm)	Overall Width W (mm)	Pack Qty
Insulated						
H4116	Red	0.5-1.5mm ²	3	19.4	6.6	100
H4112	Red	0.5-1.5mm ²	3	20.8	8	100
H4113	Red	0.5-1.5mm ²	4	19.4	6.6	100
H4114	Red	0.5-1.5mm ²	4	20.8	8	100
H4115	Red	0.5-1.5mm ²	5	20.8	8	100
H4117	Red	0.5-1.5mm ²	5	26.8	11.6	100
H4118	Red	0.5-1.5mm ²	6	26.8	11.6	100
H4119	Red	0.5-1.5mm ²	8	26.8	11.6	100
H4140	Red	0.5-1.5mm ²	10	30.5	13.6	100
H4120	Blue	1.5-2.5mm ²	3	19.4	6.6	100
H4121	Blue	1.5-2.5mm ²	3	21.8	8.5	100
H4122	Blue	1.5-2.5mm ²	4	19.4	6.6	100
H4123	Blue	1.5-2.5mm ²	4	21.8	8.5	100
H4125	Blue	1.5-2.5mm ²	5	21.8	8.5	100
H4126	Blue	1.5-2.5mm ²	5	21.8	9.5	100
H4127	Blue	1.5-2.5mm ²	6	26.8	12	100
H4128	Blue	1.5-2.5mm ²	8	26.8	12	100
H4129	Blue	1.5-2.5mm ²	10	30.5	13.6	100
H4130	Yellow	2.5-6.0mm ²	4	22.7	7.2	50
H4133	Yellow	2.5-6.0mm ²	5	26.6	9.5	50
H4134	Yellow	2.5-6.0mm ²	6	29.5	12	50
H4137	Yellow	2.5-6.0mm ²	8	34	15	50
H4138	Yellow	2.5-6.0mm ²	10	34	15	50
H4139	Yellow	2.5-6.0mm ²	12	38.6	19.2	50
Un-Insulated Ring Terminals						
H3111		0.5-1.5mm ²	3	12.5	5.5	100
H3113		0.5-1.5mm ²	4	14.4	6.6	100
H3122		1.5-2.5mm ²	4	14.4	6.6	100
H3132		2.5-6.0mm ²	3	15.7	7.2	50
H3134		2.5-6.0mm ²	6	22.5	12	50
H3138		2.5-6.0mm ²	10	27	15	50
H3139		2.5-6.0mm ²	12	31.6	19.2	50
H3161		2.5-6.0mm ²	16	47.6	31.8	50
High Temperature Utilug Ring Terminal (Rated at 280°C)						
H3215		0.5-1.5mm ²	5	19.2	7.9	100
H3223		1.5-2.5mm ²	4	22.5	8.7	100
H3225		1.5-2.5mm ²	5	22.5	8.7	100
H3227		1.5-2.5mm ²	6	27.8	12.7	100
H3233		2.5-6.0mm ²	5	24.4	9.5	100

Ring Terminal Supergrip - Utilux

- Conductor size: 0.5 - 6.0mm²
- Fitted with a copper ferrule and pre-insulated



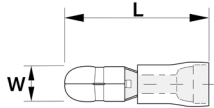
Part Number	Colour	Conductor Range	Stud Size S (mm)	Overall Length L (mm)	Overall Width W (mm)	Pack Qty
Insulated						
H4210	Red	0.5-1.5mm ²	1.6	18	5.5	100
H4211	Red	0.5-1.5mm ²	3	18	5.5	100
H4216	Red	0.5-1.5mm ²	3	19.9	6.6	100
H4212	Red	0.5-1.5mm ²	3	21.3	8	100
H4213	Red	0.5-1.5mm ²	4	19.9	6.6	100
H4214	Red	0.5-1.5mm ²	4	21.3	8	100
H4215	Red	0.5-1.5mm ²	5	21.3	8	100
H4217	Red	0.5-1.5mm ²	5	27.3	11.6	100
H4218	Red	0.5-1.5mm ²	6	27.3	11.6	100
H4219	Red	0.5-1.5mm ²	8	27.3	11.6	100
H4240	Red	0.5-1.5mm ²	10	31	13.6	100
H4220	Blue	1.5-2.5mm ²	3	19.9	6.6	100
H4221	Blue	1.5-2.5mm ²	3	22.3	8.5	100
H4222	Blue	1.5-2.5mm ²	4	19.9	6.6	100
H4223	Blue	1.5-2.5mm ²	4	22.3	8.5	100
H4225	Blue	1.5-2.5mm ²	5	22.3	8.5	100
H4226	Blue	1.5-2.5mm ²	5	22.3	9.5	100
H4227	Blue	1.5-2.5mm ²	6	27.3	12	100
H4228	Blue	1.5-2.5mm ²	8	27.3	12	100
H4229	Blue	1.5-2.5mm ²	10	31	13.6	100
H4232	Yellow	2.5-6.0mm ²	3	23.2	7.2	50
H4230	Yellow	2.5-6.0mm ²	4	23.2	7.2	50
H4231	Yellow	2.5-6.0mm ²	4	27.1	9.5	50
H4233	Yellow	2.5-6.0mm ²	5	27.1	9.5	50
H4234	Yellow	2.5-6.0mm ²	6	30	12	50
H4238	Yellow	2.5-6.0mm ²	10	34.5	15	50
H4239	Yellow	2.5-6.0mm ²	12	39.1	19.2	50
Heavy Duty Insulated Ring Terminals						
H2001S	Black	1/0.8mm ²	5	26	8.6	100
H2001L	Black	1/0.8mm ²	5	29.4	8.7	100
H2002	Black	1/0.8mm ²	6	30	10.3	100
H2037	Black	7/0.67mm ²	6	30.9	10.3	100
H2003S	Black	7/0.85mm ²	5	28.9	8.7	100
H2003L	Black	7/0.85mm ²	5	32.6	8.7	100
H2004	Black	7/0.85mm ²	6	32	10	100
H2005	Black	7/1.04mm ²	6	31	10	100
H2006	Black	7/1.34mm ²	6	31.8	11.9	100

*Other sizes available on request

Utilux Terminals & Lugs

Bullet Terminals

- Conductor size: 0.5 - 2.5mm²

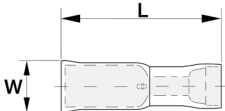


UTILUX

Part Number	Colour	Conductor Range	Bullet Size (mm)	Overall Length (mm)	Pack Qty
H3919	Red	0.5-1.5mm ²	4	20.2	100
H3920	Blue	1.5-2.5mm ²	5	20.7	100

Bullet Receptacle

- Conductor size: 0.5 - 2.5mm²

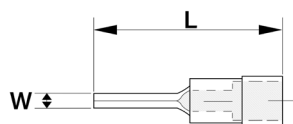


UTILUX

Part Number	Colour	Conductor Range	Bullet Size (mm)	Overall Length (mm)	Pack Qty
H3922	Red	0.5-1.5mm ²	4	24	100
H3923	Blue	1.5-2.5mm ²	5	25	100

Pin Connectors Insulated

- Conductor size: 0.5 - 2.5mm²

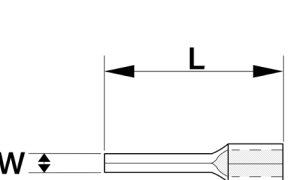


UTILUX

Part Number	Colour	Conductor Range	Overall Length (mm)	Pin Width (mm)	Pack Qty
H2276	Red	0.5-1.5mm ²	21	1.6	100
H2278	Blue	1.5-2.5mm ²	23.8	2	100

Pin Connectors Uninsulated

- Conductor size: 0.5 - 2.5mm²

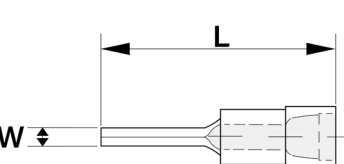


UTILUX

Part Number	Conductor Range	Overall Length (mm)	Pin Width (mm)	Pack Qty
H2271	0.5-1.5mm ²	15.9	1.6	100
H2272	1.5-2.5mm ²	17.4	2	100

Pin Connectors Supergrip

- Conductor size: 0.5 - 6mm²

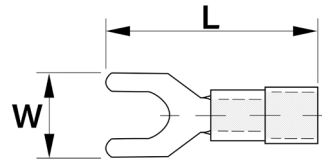


UTILUX

Part Number	Colour	Conductor Range	Overall Length (mm)	Pin Width (mm)	Pack Qty
H2286	Red	0.5-1.5mm ²	21	1.6	100
H2287	Blue	1.5-2.5mm ²	23.8	2	100
H2288	Yellow	2.5-6.0mm ²	27.5	2.8	50

Fork Terminals

- Conductor size: 0.5 - 2.5mm²

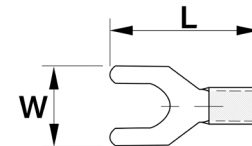


UTILUX

P/N	Colour	Conductor Range	Stud Size (mm)	Overall Length (mm)	Overall Width (mm)	Pack Qty
H4412	Red	0.5-1.5mm ²	3	21	6.4	100
H4414	Red	0.5-1.5mm ²	4	21	7.2	100
H4415	Red	0.5-1.5mm ²	5	21	8.1	100
H4417	Red	0.5-1.5mm ²	5	21	9.5	100
H4423	Blue	1.5-2.5mm ²	4	21	7.2	100
H4425	Blue	1.5-2.5mm ²	5	21	7.9	100
H4426	Blue	1.5-2.5mm ²	5	21	9.3	100
H4434	Blue	1.5-2.5mm ²	6	31.5	12	100

Fork Terminals Uninsulated

- Conductor size: 0.5 - 1.5mm²

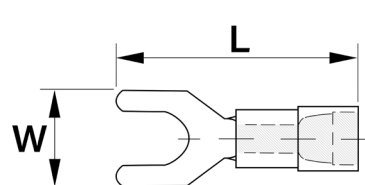


UTILUX

Part Number	Conductor Range	Stud Size (mm)	Overall Length (mm)	Overall Width (mm)	Pack Qty
H4312	0.5-1.5mm ²	3	16	6.4	100
H4317	0.5-1.5mm ²	5	16	9.5	100

Fork Supergrip Terminals

- Conductor size: 0.5 - 6.0mm²



UTILUX

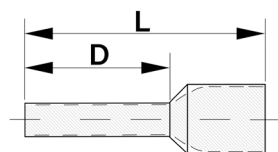
Part Number	Colour	Conductor Range	Stud Size (mm)	Overall Length (mm)	Overall Width (mm)	Pack Qty
H4512	Red	0.5-1.5mm ²	3	21.5	6.4	100
H4514	Red	0.5-1.5mm ²	4	21.5	7.2	100
H4515	Red	0.5-1.5mm ²	5	21.5	9.5	100
H4517	Red	0.5-1.5mm ²	5	21.5	9.5	100
H4521	Blue	1.5-2.5mm ²	3	21.5	5.7	100
H4523	Blue	1.5-2.5mm ²	4	21.5	7.2	100
H4525	Blue	1.5-2.5mm ²	5	21.5	7.9	100
H4526	Blue	1.5-2.5mm ²	5	21.5	9.3	100
H4532	Yellow	2.5-6.0mm ²	3	24.9	7.2	50
H4531	Yellow	2.5-6.0mm ²	4	26	9	50
H4533	Yellow	2.5-6.0mm ²	5	26	9	50
H4534	Yellow	2.5-6.0mm ²	6	32	12	50

*Other sizes available on request

Utilux Terminals & Lugs

Cord End Terminals (Boot Lace) Insulated

- Conductor size: 0.25 - 95mm²



Part Number	Colour	Cable Size	Pin Length (mm)	Overall Length (mm)	Pack Qty
Insulated					
BLF05	White	0.5mm ²	6	12	100
BLF1	Red	1.0mm ²	6	13.3	100
BLF2	Black	1.5mm ²	8	14.3	100
BLF3	Grey	2.5mm ²	8	15.4	100
BLF4	Orange	4mm ²	9	16.4	100
BLF6	Green	6mm ²	12	20.5	100
BLF10	Brown	10mm ²	12	20.8	100
BLF16	Ivory	16mm ²	12	22.2	50
BLF25	Black	25mm ²	16	28	25
BLF35	Beige	35mm ²	16	30	15

Pre-Insulated Crimp Link Connectors

- Conductor size: 0.5 - 6mm²



Part Number	Colour	Conductor Range	Overall Length (mm)	Pack Qty
Insulated				
H2071	Red	0.5-1.5mm ²	22.2	100
H2072	Blue	1.5-2.5mm ²	25.4	100
H2073	Yellow	2.5-6.0mm ²	27	50

Supergrip Insulated Crimp Link Connectors

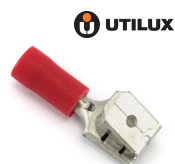
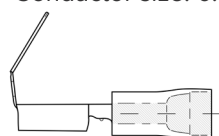
- Conductor size: 0.5 - 6mm²



Part Number	Colour	Conductor Range	Overall Length (mm)	Pack Qty
Insulated				
H3910	Red	0.5-1.5mm ²	31	50
H3911	Blue	1.5-2.5mm ²	31	50
H3912	Yellow	2.5-6.0mm ²	41	50

Piggyback Adaptors

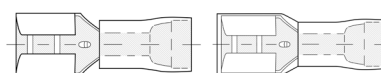
- Conductor size: 0.5 - 6.0mm²



Part Number	Insulation Colour	Conductor Size	Suitable Tab Size (mm)	Pack Qty
Half Insulated				
H2847A	Red	0.5-1.5mm ²	6.3 x 0.8	100
H2848A	Blue	1.5-2.5mm ²	6.3 x 0.85	100
H2849	Yellow	2.5-6.0mm ²	6.3 x 0.8	50

Push On Female Terminals

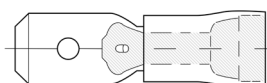
- Quick Connect Receptacles



Part Number		Insulation Colour	Conductor Size	Suitable Tab Size (mm)	Pack Qty
Half Insulated	Fully Insulated				
H3564	-	Red	0.5-1.5mm ²	2.8 x 0.5	100
H3558	-	Red	0.5-1.5mm ²	2.8 x 0.8	100
H3559	H3563	Red	0.5-1.5mm ²	4.8 x 0.5	100
H2594	H3560	Red	0.5-1.5mm ²	6.3 x 0.8	100
H3565	H3566	Blue	1.5-2.5mm ²	4.8 x 0.5	100
H2595	H3561	Blue	1.5-2.5mm ²	6.3 x 0.8	100
H2596	H3562	Yellow	2.5-6.0mm ²	6.3 x 0.8	50

Push On Male Terminals

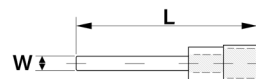
- Quick Connect Receptacles



Part Number	Insulation Colour	Conductor Size	Suitable Tab Size (mm)	Pack Qty
Half Insulated				
H2844	Red	0.5-1.5mm ²	6.3 x 0.8	100
H2845	Blue	1.5-2.5mm ²	6.3 x 0.85	100
H2846	Yellow	2.5-6.0mm ²	6.3 x 0.8	50

Blade Terminals (Lipless)

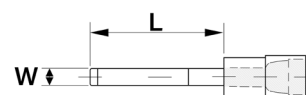
- Conductor size: 0.5 - 6.0mm²



Part Number	Colour	Conductor Range	Overall Length (mm)	Blade Width (mm)	Pack Qty
Insulated					
H4107A	Red	0.5-1.5mm ²	28.5	2.2	100
H4108A	Blue	1.5-2.5mm ²	28.5	2.2	100
H3818A	Yellow	2.5-6.0mm ²	22.4	3	50

Lip Blade Terminals

- Conductor size: 0.5 - 6.0mm²

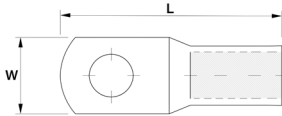


Part Number		Colour	Conductor Range	Blade Length (mm)	Blade Width (mm)	Pack Qty
Insulated	Twin Grip Insulated					
H2736	-	Red	0.5-1.5mm ²	24.8	3	100
H2736A	-	Red	0.5-1.5mm ²	27.7	3	100
-	H4207	Red	0.5-1.5mm ²	26.4	4.6	100
H2737	-	Blue	1.5-2.5mm ²	26.8	3	100
H2737A	-	Blue	1.5-2.5mm ²	27.7	3	100
H2738A	-	Yellow	2.5-6.0mm ²	30.7	3	50
H4109	-	Yellow	2.5-6.0mm ²	30.3	4.6	50
-	H4209	Yellow	2.5-6.0mm ²	30.8	4.6	50

Utilux Terminals & Lugs

Copper Crimp Lugs

- Conductor Size: 0.5 - 70mm²



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P/N	Cable Size	Stud Size (mm)	Overall Length (mm)	Overall Width (mm)	Pack Qty	Die
H1399	0.5mm ²	4	17.5	6.4	100	-
H1400	0.5mm ²	4	19.1	6.4	100	-
H1401S	0.5mm ²	5	19.1	8.7	100	-
H1401L	0.5mm ²	5	26.6	8.7	100	-
H1402	0.5mm ²	6	26.2	10.3	100	-
H1402A	0.5mm ²	8	26.2	11.1	100	-
H1436A	2.5mm ²	4	21.4	9.1	100	-
H1436	2.5mm ²	5	21.4	9.1	100	-
H1437	2.5mm ²	6	26.2	10.3	100	-
H1437A	2.5mm ²	8	26.2	10.3	100	-
H1403S	4mm ²	5	21	8.7	100	-
H1403L	4mm ²	5	27.3	8.7	100	-
H1404	4mm ²	6	27.8	10.3	100	-
H1404A	4mm ²	8	28.6	13	100	-
H1404B	4mm ²	10	28.6	13	100	-
H1405	6mm ²	6	27	10.3	100	38-44CU
H1405A	6mm ²	8	28.6	13.9	100	
H1405B	6mm ²	10	28.6	13.9	100	
H1406S	10mm ²	6	27	11.9	50	38-57CU
H1406L	10mm ²	6	29.4	11.9	50	
H1406A	10mm ²	8	28.6	14.3	50	
H1406B	10mm ²	10	30.6	14.3	50	
H1406C	10mm ²	12	33	17	50	38-63CU
H1407A	16mm ²	5	39.7	11.6	50	
H1407	16mm ²	6	39.7	11.6	50	
H1408	16mm ²	8	39.7	13.5	50	
H1408A	16mm ²	10	41.5	13.5	50	
H1408B	16mm ²	12	46	17.5	50	38-77CU
H1415A	25mm ²	6	43.6	16.7	50	
H1415	25mm ²	8	43.6	16.7	50	
H1416	25mm ²	10	43.6	16.7	50	
H1416A	25mm ²	11	43.6	16.7	50	38-92CU
H1416B	25mm ²	12	51	18.2	50	
H1365	35mm ²	6	43.6	18.2	50	
H1366	35mm ²	8	43.6	18.2	50	38-104CU
H1368	35mm ²	10	43.6	18.2	50	
H1369	35mm ²	12	51.2	20	50	
H1419	50mm ²	8	51.6	18.2	25	38-115CU
H1420	50mm ²	10	51.6	19	25	
H1421	50mm ²	12	51.6	20.6	25	
H1422A	70mm ²	8	54	20.6	25	38-130CU
H1422	70mm ²	10	54	20.6	25	
H1423	70mm ²	12	54	20.6	25	
H1423A	70mm ²	16	54.2	27.5	25	
H1443	70mm ²	11	54	22.2	25	

Copper Crimp Lugs

- Conductor Size: 95 - 630mm²

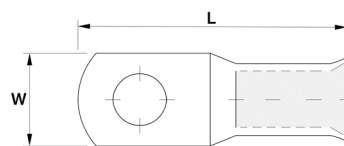
UTILUX

P/N	Cable Size	Stud Size (mm)	Overall Length (mm)	Overall Width (mm)	Pack Qty	Die
H1424B	95mm ²	6	57.2	25.4	25	38-142CU 40-142CU
H1424C	95mm ²	8	57.2	25.4	25	
H1424	95mm ²	10	57.2	25.4	25	
H1425	95mm ²	12	57.2	25.4	25	
H1440	95mm ²	16	75.5	27	25	38-165CU 40-165CU
H1438	95mm ²	20	75.5	28.6	25	
H1381	120mm ²	10	68.3	30	25	
H1382	120mm ²	12	68.3	30	25	
H1383	120mm ²	16	68.3	30	25	38-183CU 40-185CU
H1382B	120mm ²	20	68.3	30	25	
H1384A	150mm ²	10	75	33.5	20	
H1384	150mm ²	12	75	33.5	20	
H1385	150mm ²	16	75	33.5	20	38-200CU 40-200CU
H1386	150mm ²	20	75	33.5	20	
H1387A	185mm ²	10	79	36.5	10	
H1387	185mm ²	12	79	36.5	10	
H1388	185mm ²	16	79	36.5	10	38-231CU 40-231CU
H1389	185mm ²	20	79	36.5	10	
H1390	240mm ²	Blank	127	41.6	10	
H1390D	240mm ²	10	127	41.6	10	
H1390A	240mm ²	12	127	41.6	10	38-260CU 40-260CU
H1390B	240mm ²	16	127	41.6	10	
H1391	300mm ²	Blank	127	46	10	
H1448	400mm ²	Blank	123	49.6	10	50-281CU 40-281CU 66-281CU
H1449	500mm ²	Blank	142.5	54.8	10	
H1449A	500mm ²	16	142.5	54.8	10	
H1394	630mm ²	Blank	146	63.5	5	

Copper Flared Lugs (Bell Mouth)

- Conductor Size: 25 - 150mm²

UTILUX



P/N	Cable Size	Stud Size (mm)	Overall Width (mm)	Overall Length (mm)	Pack Qty
CG25FLM8	25mm ²	8	44	17	50
CG50FLM8	50mm ²	8	52	21	25
CG50FLM10	50mm ²	10	52	21	25
CG70FLM8	70mm ²	8	54	21	25
CG70FLM10	70mm ²	10	54	21	25
CG95FLM10	95mm ²	10	57	25	25
CG120FLM10	120mm ²	10	68	30	25
CG150FLM16	150mm ²	16	75	34	20

UTILUX CRIMP DIES

6mm - 300mm
Page 19

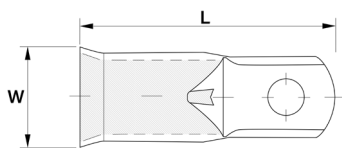


*Other sizes available on request

Utilux Terminals & Lugs

Copper Narrow Palm / Circuit Breaker Lugs

- Conductor Size: 120 - 185mm²



Part Number	Cable Size	Stud Size (mm)	Overall Length L (mm)	Overall Width W (mm)	Pack Qty
CGNP120M8	120mm ²	8	68	19	25
CGNP120M10	120mm ²	10	68	19	25
CGNP185M10	185mm ²	10	79	31	20

Copper Crimp Links (Butts)

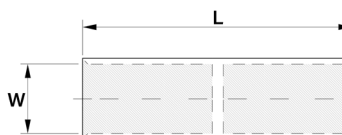
- Conductor Size: 0.5 - 800mm²



Part Number	Cable Size	Overall Length L (mm)	Inner Width W (mm)	Pack Qty
H1451	0.5mm ²	22	2.1	100
H1467	2.5mm ²	22	2.5	100
H1452	4mm ²	22	3.3	50
H1453	6mm ²	22	3.7	50
H1454	10mm ²	22	4.7	50
H1455	16mm ²	44	5.35	50
H1456	20mm ²	44	6.3	50
H1458	25mm ²	48	7.1	50
H1488	35mm ²	48	8.4	25
H1460	50mm ²	48	9.5	25
H1461	70mm ²	51	11	20
H1462	95mm ²	54	13.4	20
H1492	120mm ²	65	15.5	20
H1493	150mm ²	65	16.3	20
H1494	185mm ²	65	18.4	10
H1495	240mm ²	89	21.2	10
H1496	300mm ²	89	23.8	10
H1470	400mm ²	89	26.8	5
H1499	630mm ²	114	33.5	5
H1474	800mm ²	230	39.3	2

Copper Crimp Links with Solid Barrier

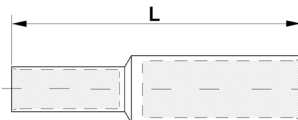
- Conductor Size: 50 - 120mm²



Part Number	Cable Size	Overall Length L (mm)	Inner Width W (mm)	Pack Qty
H1770	50mm ²	54	9.5	10
H1771	70mm ²	51	11	10
H1792	120mm ²	65	15.5	10

Reducing Links

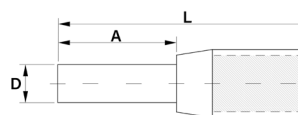
- Conductor Size: 16 - 240mm²



Part Number	Large Cable Size	Small Cable Size	Overall Length L (mm)	Pack Qty
CKR16-10	16mm ²	10mm ²	55	50
CKR25-6	25mm ²	6mm ²	56	50
CKR25-10	25mm ²	10mm ²	56	50
CKR35-10	35mm ²	10mm ²	56	25
CKR35-16	35mm ²	16mm ²	56	25
CKR50-16	50mm ²	16mm ²	58	25
CKR50-25	50mm ²	25mm ²	58	25
CKR50-35	50mm ²	35mm ²	58	25
CKR70-25	70mm ²	25mm ²	58	20
CKR70-50	70mm ²	50mm ²	58	20
CKR95-50	95mm ²	50mm ²	75	20
CKR120-50	120mm ²	50mm ²	75	20
CKR120-70	120mm ²	70mm ²	75	20
CKR120-95	120mm ²	95mm ²	75	20
CKR150-120	150mm ²	120mm ²	90	20
CKR240-120	240mm ²	120mm ²	98	10
CKR240-150	240mm ²	150mm ²	98	10
CKR240-185	240mm ²	185mm ²	98	10

Copper Stalk Lugs (Type 1)

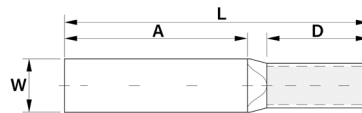
- Conductor Size: 35 - 185mm²



P/N	Cable Size	Stalk Length A (mm)	Stalk Width D (mm)	Overall Length L (mm)	Pack Qty
H2309	35mm ²	34	8	70	25
H2313	50mm ²	34	8	70	25
H2331	70mm ²	34	10	70	20
H2334	95mm ²	34	10	70	20
H2314	120mm ²	38	16	73	20
H2321	185mm ²	38	16	73	10

Long Palm, Long Barrel Copper Crimp Lugs

- Conductor Size: 70 - 630mm²

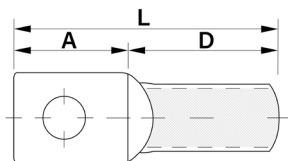


Part Number	Cable Size	Palm Length A (mm)	Barrel Length D (mm)	Overall Width W (mm)	Overall Length L (mm)
CG70LPMB	70mm ²	100	50	21	160
CG95LPMB	95mm ²	100	50	25	160
CG120LPMB	120mm ²	100	50	30	160
CG400LPMB	400mm ²	110	70	50	210
CG630LPMB	630mm ²	100	70	64	205

Utilux Terminals & Lugs

Unilug for Aluminium Cables

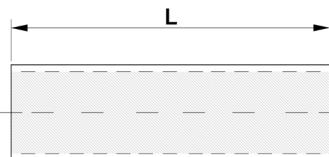
- Conductor Size: 16 - 630mm²
- Individually Packed in Sealed Bags



P/N	Cable Size	Stud Size (mm)	Palm Length A (mm)	Barrel Length D (mm)	Overall Length L (mm)	Overall Width (mm)
H15103	16mm ²	Blank	22	32	65	22
H15109	16mm ²	10	22	32	65	22
H15111	25mm ²	Blank	22	32	65	22
H15114	25mm ²	10	22	32	65	22
H15116	35mm ²	Blank	22	32	65	22
H15119	35mm ²	10	22	32	65	22
H15121	50mm ²	Blank	28	32	73	26
H15124	50mm ²	10	28	32	73	26
H15126	70mm ²	Blank	28	32	73	26
H15129	70mm ²	10	28	32	73	26
H15130	70mm ²	12	28	32	73	26
H15134	95mm ²	10	35	32	80	30
H15135	95mm ²	12	35	32	80	30
H15136	120mm ²	Blank	35	32	80	30
H15138	120mm ²	10	35	32	80	30
H15139	120mm ²	12	35	32	80	30
H15142	150mm ²	10	36	30	90	36
H15143	150mm ²	12	36	30	90	36
H15146	185mm ²	Blank	36	30	90	36
H15147	185mm ²	12	36	30	90	36
H15151	240mm ²	Blank	50	41	115	46
H15153	240mm ²	12	50	41	115	46
H15156	300mm ²	Blank	50	41	115	46
H15159	300mm ²	12	50	41	115	46
H15162	400mm ²	Blank	54	68	150	54
H15165	400mm ²	12	54	68	150	54
H15168	500mm ²	Blank	54	68	150	54
H15174	630mm ²	Blank	60	68	159	60

3 Core Sector Link Aluminium

- Conductor Size: 120 - 240mm²



Part Number	Cable Size	Overall Length L (mm)
H8627	120mm ²	90
H8629	185mm ²	105
H8630	240mm ²	110

Unilink Aluminium

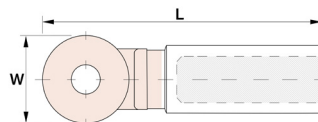
- Conductor Size: 16 - 630mm²



Part Number	Cable Size	Overall Length L (mm)	Overall Width (mm)
H15202	16mm ²	70	5.5
H15203	25mm ²	70	7
H15205	50mm ²	70	9.5
H15206	70mm ²	70	11
H15207	95mm ²	124	13
H15208	120mm ²	124	15
H15209	150mm ²	124	16.5
H15210	185mm ²	124	18.5
H15212	300mm ²	146	23.5
H15213	400mm ²	146	26.5
H15214	500mm ²	146	29.5
H15215	630mm ²	146	33.5

Bi-Metal Crimp Lug

- Conductor Size: 25 - 800mm²



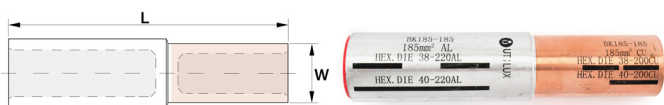
Part Number	Cable Size	Stud Size	Overall Length L (mm)	Overall Width W (mm)
H15306	25mm ²	Blank	75	22
H15307	25mm ²	10	75	22
H15309	35mm ²	10	75	22
H15310	35mm ²	12	75	22
H15311	50mm ²	Blank	75	22
H15313	50mm ²	12	75	22
H15314	70mm ²	Blank	75	22
H15315	70mm ²	10	75	22
H15316	70mm ²	12	75	22
H15318	95mm ²	10	115	32
H15319	95mm ²	12	115	32
H15321	120mm ²	12	115	32
H15322	120mm ²	16	115	32
H15323	150mm ²	Blank	120	36
H15324	150mm ²	12	120	36
H15327	185mm ²	12	120	36
H15328	185mm ²	16	120	36
H15329	240mm ²	Blank	130	42
H15330	240mm ²	12	130	42
H15331	240mm ²	16	130	42
H15332	300mm ²	Blank	130	42
H15333	300mm ²	12	130	42
H15334	400mm ²	Blank	160	50
H15335	500mm ²	Blank	160	50
H15336	630mm ²	Blank	175	60
H15337	800mm ²	Blank	221	60

*Other sizes available on request

Utilux Terminals & Lugs

Bi-Metal Crimp Links

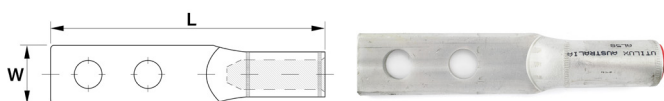
- Conductor Size: 16 - 630mm²



Part Number	Cable Size Aluminium/Copper	Overall Length L (mm)	Overall Width W (mm)
H15405	16/16mm ²	70	12
H15406	25/16mm ²	70	12
H15407	25/25mm ²	70	12
H15408	35/25mm ²	70	12
H15409	35/35mm ²	70	12
H15410	50/35mm ²	70	16
H15411	50/50mm ²	70	16
H15412	70/50mm ²	70	16
H15413	70/70mm ²	70	16
H15414	95/70mm ²	110	21.5
H15415	95/95mm ²	120	21.5
H15416	120/95mm ²	120	21.5
H15417	120/120mm ²	120	21.5
H15418	150/120mm ²	120	27
H15419	150/150mm ²	120	27
H15420	185/150mm ²	120	27
H15421	185/185mm ²	120	27
H15422	240/185mm ²	122	35
H15423	240/240mm ²	125	35
H15424	300/240mm ²	125	35
H15425	300/300mm ²	125	35
H15426	400/300mm ²	153	47
H15427	400/400mm ²	155	47
H15431	630/630mm ²	160	54

Terminal Lugs - Type AL

- Overhead Conductor, Aluminium

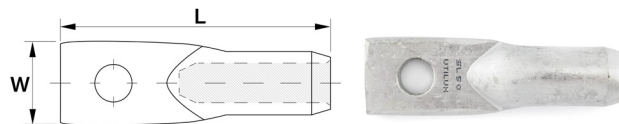


P/N	Conductor Range O.D (mm)	IMP. Stud Size	Palm Length L (mm)	Overall Width W (mm)	Overall Length (mm)
AL58	12-13.5	0.5	82.5	31.7	146
AL61	13-14.5	0.5	82.5	34.9	149



Terminal Lugs - Type SL

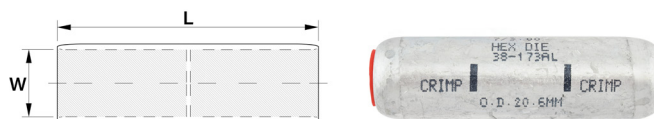
- Overhead Conductor, Aluminium



Part Number	Conductor Range O.D (mm)	IMP. Stud Size	Palm Length L (mm)	Overall Width W (mm)	Overall Length (mm)
SL50	10-12	0.5	38.1	27.8	92.1
SL58	12-13.5	0.5	38.1	31.8	101.6
SL61	13-14.5	0.5	38.1	34.9	104.8
SL80	16.5-19.5	0.5	38.1	41.3	125.4

Non Tension Sleeves

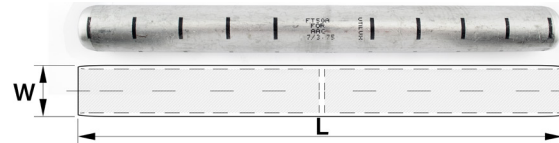
- Tubular Aluminium Alloy



Part Number	Conductor Range O.D (mm)	Overall Length L (mm)	Overall Width W (mm)
NT44	8-10	70	20.6
NT50	10-12	84	20.6
NT61	13-14.5	111	25.4
NT64	20-23.5	155	35

Full Tension Sleeves - Type A

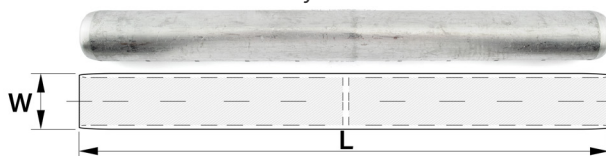
- Tubular Aluminium Alloy



Part Number	Conductor Range O.D (mm)	Overall Length L (mm)	Overall Width W (mm)
FT36A	6-8	165	16.5
FT50A	10-12	203	20.6
FT58A	12-13.5	203	22.2
FT61A	14-16	241	25.4
FT68A	16.5-19.5	279	25.4
FT80A	20-21.75	318	30.1
FT94A	20-24.75	387	35

Full Tension Sleeves - Type R

- Tubular Aluminium Alloy



Part Number	Conductor Range O.D (mm)	Overall Length L (mm)	Overall Width W (mm)
FT36R	6-8	344	16.5
FT44R	8-10	379	20.6
FT50R	10-12	470	20.6
FT61R	13-14.5	505	25.4
FT68R	14-16	530	25.4
FT80R	16.5-19.5	580	30.1

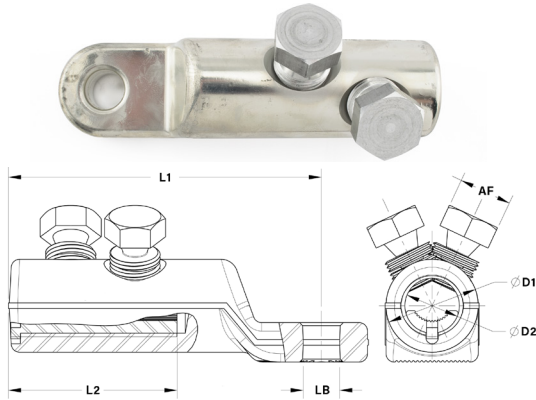
Other sizes available on request

**UTILUX
JOINTING
COMPOUND
H2397/1**

Utilux Terminals & Lugs

Shear off Lugs

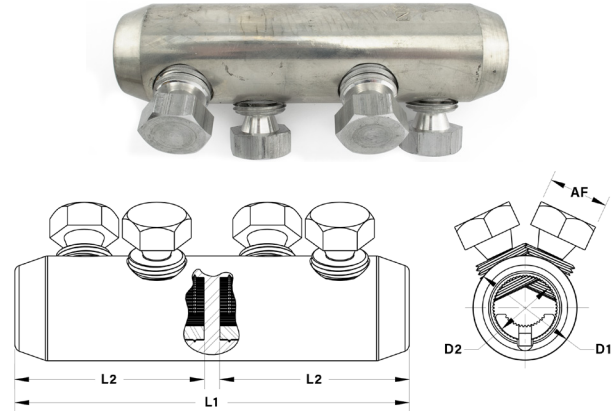
- Conductor Size: 25 - 630mm²



Part Number	Cross-Sectional Range	Stud Size (mm)	Dimensions (mm)					Head Size (mm)	Contact Bolts QTY
			LB	L1	L2	D1	D2		
BLMT25/95-13	25-95mm ²	13	60	30	24	12.8	13	1	
BLMT25/95-17	25-95mm ²	17	60	30	24	12.8	13	1	
BLMT35/150-13	35-150mm ²	13	86	35	28	15.8	17	1	
BLMT35/150-17	35-150mm ²	17	86	35	28	15.8	17	1	
BLMT95/240-13	95-240mm ²	13	112	60	33	20	19	2	
BLMT95/240-17	95-240mm ²	17	112	60	33	20	19	2	
BLMT120/300-13	120-300mm ²	13	115	65	37	24	22	2	
BLMT120/300-17	120-300mm ²	17	115	65	37	24	22	2	
BLMT185/400-13	185-400mm ²	13	137	80	42	25.5	22	3	
BLMT185/400-17	185-400mm ²	17	137	80	42	25.5	22	3	
BLMT185/400-21	185-400mm ²	21	137	80	42	25.5	22	3	
BLMT500/630MK213	500-630mm ²	13	150	95	50	33	27	3	
BLMT500/630-17	500-630mm ²	17	150	95	50	33	27	3	
BLMT500/630-21	500-630mm ²	21	150	95	50	33	27	3	

Shear off Links

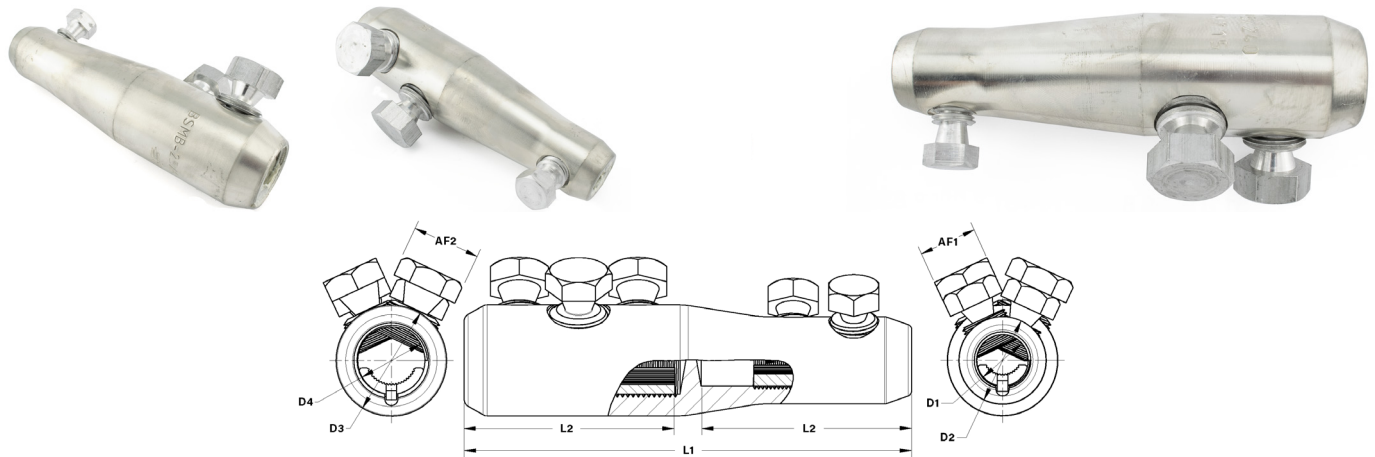
- Conductor Size: 10 - 630mm²



Part Number	Cross-Sectional Range	Blocked	Dimensions (mm)				Head Size (mm)	Contact Bolts QTY
			L1	L2	D1	D2		
BSMB-10/35	10-35mm ²	Yes	45	20	19	8.5	10	2
BSM-25/95	25-95mm ²	Yes	65	30	24	12.8	13	2
BSMB-35/150	35-150mm ²	Yes	80	35	28	15.8	17	2
BSM-95/240	95-240mm ²	Yes	125	60	33	20	19	4
BSMB-120/300	120-300mm ²	Yes	140	65	37	24	22	4
BSM-185/400	185-400mm ²	Yes	170	80	42	25.5	22	6
BSMB-500	500mm ²	Yes	190	90	46	30	27	6
BSMB-630	630mm ²	Yes	200	95	50	33	27	6

Shear off Reducing Link

- Conductor Size: 25 - 630mm²



Part Number	Cross-Sectional Range Side 1	Cross-Sectional Range Side 2	Blocked	Dimensions (mm)							Head Size Side 1 (mm)	Contact Bolts QTY Side 1	Head Size Side 2 (mm)	Contact Bolts QTY Side 2
				L1	L2	D1	D2	D3	D4	AF1			AF2	
BSMB25/95-95/240	25-95mm ²	95-240mm ²	Yes	125	60	24	12.8	33	20	13	1	19	2	
BSMB185/400-500	185-400mm ²	500mm ²	Yes	190	90	42	25.5	46	30	22	3	27	3	
BSMB185/400-630	185-400mm ²	630mm ²	Yes	200	95	42	25.5	50	33	22	3	27	3	
BSMB500-630	500mm ²	630mm ²	Yes	200	95	46	30	50	33	27	3	27	3	

*Other sizes available on request

Utilux Terminals & Lugs

Hexagonal Copper Crimp Dies

- Conductor Size: 6 - 300mm²



Part Number	Copper Conductor Size	Copper Die A/F (mm)
UT38-44CU	6mm ²	4.4
UT38-57CU	10mm ²	5.7
UT38-63CU	16mm ²	6.3
UT38-70CU	20mm ²	7.0
UT38-77CU	25mm ²	7.7
UT38-92CU	35mm ²	9.2
UT38-104CU	50mm ²	10.4
UT38-115CU	70mm ²	11.5
UT38-142CU	95mm ²	14.2
UT38-165CU	120mm ²	16.5
UT38-183CU	150mm ²	18.3
UT38-200CU	185mm ²	20.0
UT38-231CU	240mm ²	23.1
UT38-260CU	300mm ²	26.0

Hexagonal Aluminum Crimp Dies

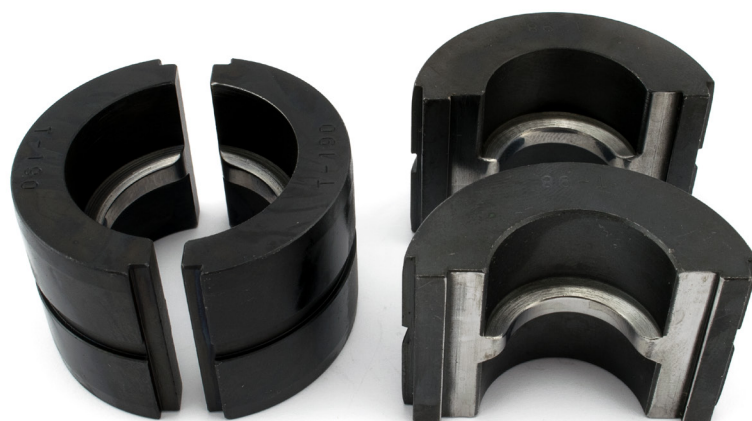
- Conductor Size: 6 - 300mm²



Part Number	Aluminium Conductor Size	Copper Die A/F (mm)
UT38-90AL	6 - 35mm ²	9.0
UT38-132AL	50 - 70mm ²	13.2
UT38-173AL	95 - 120mm ²	17.3
UT38-220AL	150 - 185mm ²	21.0
UT38-284AL	240 - 300mm ²	28.4

C Connectors Crimp Dies

- Conductor Size: 61 - 240mm²



Part Number	Copper Conductor Size
UT38-T076	61 - 76mm ²
UT38-T098	77 - 98mm ²
UT38-T122	99 - 122mm ²
UT38-T154	123 - 154mm ²
UT38-T190	155 - 190mm ²
UT38-T240	191 - 240mm ²

*Other sizes available on request

NYLON CABLE TIES



P. **21**

STAINLESS STEEL CABLE TIES



P. **23**

KSS SPIRAL WRAP



P. **23**

SPLIT, NON-SPLIT - LIGHT & MEDIUM DUTY CONDUIT



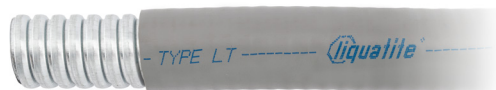
P. **24**

SNAP ON CONNECTORS



P. **24**

LIQUID TIGHT CONDUIT & FITTINGS



P. **25**

TERMCO METAL COMPRESSION GLANDS



P. **26**

CMP CABLE GLANDS



P. **27**

NYLON COMPRESSION GLANDS



P. **28**

KSS SNAP BUSHING



P. **28**

KSS HOLE PLUG



P. **28**

KSS GROMMETS



P. **29**

KSS SADDLE TYPE TIE MOUNT



P. **29**

KSS SELF ADHESIVE TIE MOUNT



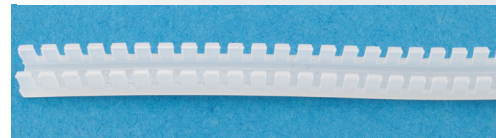
P. **29**

KSS WALL MOUNT (CHRISTMAS TREE)



P. **29**

KSS MOVABLE GROMMET BUSHING



P. **29**

NYLON & STEEL RUBBER P-CLIPS



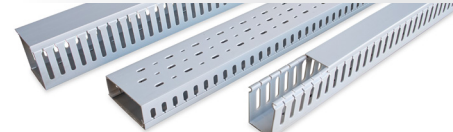
P. **30**

KSS NAIL CLIPS



P. **30**

KSS SLOTTED DUCT (GREY, BLUE & BLACK)



P. **31**

PVC FLEXIBLE TUBING



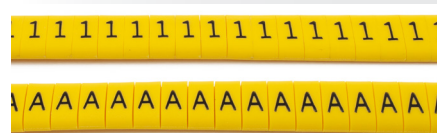
P. **32**

RUBBER, ACRYLIC, BRAIDED GLASS & EXPANDIBLE SLEEVING



P. **33**

CRITCHLEY & KSS CABLE MARKERS

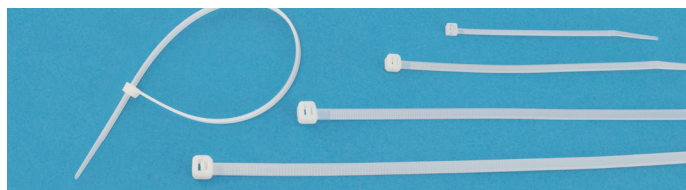


P. **34-35**

Cable Accessories

KSS Natural Cable Ties

- Material: UL approved Nylon 66, 94V-2, with good tensile strength and insulation.



P/N	Length L (mm)	Width W (mm)	Maximum Bundle Dia (mm)	Min Loop Tensile Strength (kgs)	Pack Qty (ea)	Ctn Qty
Natural						
CV100NAT	100	2.5	22	8.0	100	600
CV100KNAT	100	2.5	22	8.0	1000	70
CV140KNAT	142	3.2	34	18	1000	30
CV150NAT	150	3.6	36	18	100	230
CV200MNAT	203	2.5	55	8.0	100	280
CV200NAT	203	4.6	52	22	100	130
CV200KNAT	203	4.6	52	22	1000	16
CV250NAT	250	4.8	68	22	100	120
CV300SNAT	300	4.8	83	22	100	100
CV300NAT	300	7.6	80	55	100	50
CV300SKNAT	300	4.8	83	22	1000	10
CV368NAT	368	4.8	105	22	100	90
CV368KNAT	368	4.8	105	22	1000	9
CV380NAT	380	7.6	105	55	100	45
CV550NAT	550	8.0	160	55	100	25
CV1168NAT	1168	9.0	356	80	100	14

KSS Weather Proof Cable Ties (Black)

- Carbo A was added for greater resistance to ultra violet rays in outdoor usage.



P/N	Length L (mm)	Width W (mm)	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty (ea)	Ctn Qty
Black						
CV100W	100	2.5	22	8.0	100	600
CV120LW	120	4.8	27	22	100	200
CV140W	142	3.2	34	18	100	250
CV140KW	142	3.2	34	18	1000	30
CV150W	150	3.6	36	18	100	230
CV200MW	203	2.5	55	8.0	100	280
CV200SW	203	3.2	53	18	100	220
CV200W	203	4.6	52	22	100	130

Weather Proof Cable Ties (Black) Continued

P/N	Length (mm) L	Width (mm) W	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty (ea)	Ctn Qty
Black						
CV200KW	203	4.6	52	22	1000	16
CV200LW	203	7.6	52	55	100	75
CV250W	250	4.8	68	22	100	120
CV280XLW	280	12.7	74	114	100	30
CV292W	292	3.6	82	18	100	150
CV292KW	292	3.6	82	18	1000	15
CV300SW	300	4.8	83	22	100	100
CV300SKW	300	4.8	83	22	1000	10
CV300W	300	7.6	80	55	100	50
CV368W	368	4.8	105	22	100	90
CV368KW	368	4.8	105	22	1000	9
CV380W	380	7.6	105	55	100	45
CV450MW	450	4.8	131	22	100	80
CV450W	450	8.0	128	55	100	35
CV550W	550	8.0	160	55	100	25
CV550LW	550	12.7	159	114	100	16
CV762W	762	9.0	227	80	100	10
CV812W	812	9.0	243	80	100	10
CV1168W	1168	9.0	356	80	100	14

KSS Colour Cable Ties

- Material: UL approved Nylon 66, 94V-2, with good tensile strength and insulation.



Colour Cable Ties Key

Blue (BL)	Pink (PNK)	Yellow (Y)	Fluro Light Green (FLG)	Fluro Orange (FOR)
Green (G)	Purple (PU)	Orange (OR)	Fluro Pink (FPNK)	Black (W) Weather Resistant
Grey (GRY)	Red (R)	Fluro Yellow (FY)	Fluro Dark Green (FDG)	Natural (NAT)

P/N	Length (mm) L	Width (mm) W	Maximum Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty (ea)	Ctn Qty
CV100BL	100	2.5	22	8.0	100	600
CV100G						
CV100GRY						
CV100PNK						
CV100PU						
CV100R						
CV100Y						
CV100OR						
CV100FY						
CV100FPNK						
CV150BL	150	3.6	36	18	100	230
CV150G						
CV150GRY						
CV150PNK						

Colour Cable Ties continue next page.

Cable Accessories

Colour Cable Ties Continued

P/N	Length (mm) L	Width (mm) W	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty (ea)	Ctn Qty
CV150PU	150	3.6	36	18	100	230
CV150R						
CV150Y						
CV150OR						
CV150FY						
CV150FLG						
CV150FPNK						
CV150FDG						
CV150FOR						
CV200BL	203	4.6	52	22	100	130
CV200G						
CV200GRY						
CV200PNK						
CV200PU						
CV200R						
CV200Y						
CV200OR						
CV200FY						
CV200FLG						
CV200FPNK						
CV200FDG						
CV200FOR						
CV300SBL	300	4.8	83	22	100	100
CV300SG						
CV300SPU						
CV300SR						
CV300SY						
CV300SOR						
CV300SY						

CABLE TIE ASSORTED PACK

PART NUMBER: BP-850

CONTENTS:

CV-100W - 100pcs

CV-100 RD, YW, BL, G
- 400pcs (100PCS EA)

CV-200W - 300pcs

CV-280W - 50pcs



KSS Releasable Cable Ties

- Material: UL approved Nylon 66, 94V-2
- Finger catch design to release cable tie locking



P/N	Length (mm) L	Width (mm) W	Maximum Bundle Dia. (mm)	Min Loop Tensile Strength (Kgs)	Pack Qty
Black					
CVREL200	200	4.6	55	22	100
CVREL300	300	4.8	88	22	100

KSS Mounting Cable Tie

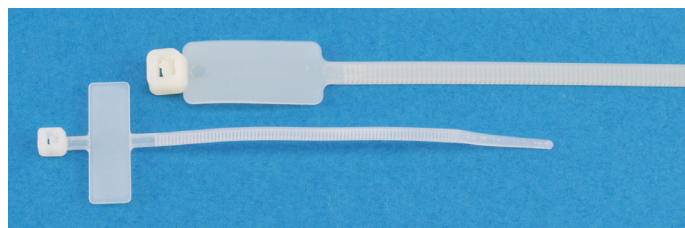
- Material: UL approved Nylon 66, 94V-2, with good tensile strength and insulation.
- The cable tie can be secured to a panel with a single bolt.



P/N	Length (mm) L	Width (mm) W	Stud Size (mm) A	Max Bundle Dia. (mm)	Min Loop Tensile (Kgs)	Pack Qty
Natural						
TCV100	110	2.5	3.2	25	8.0	100
TCV205	219	4.2	5.5	52	22	100
TCV400	400	7.9	6.0	112	55	100
Black						
TCV205W	219	4.2	5.5	52	22	100
TCV300	300	4.8	4.8	85	22	100

KSS Marker Ties

- Material: UL approved Nylon 66, 94V-2, with good tensile strength and insulation.
- Flat areas may be imprinted or written on with a marking pen.



P/N	Length (mm) L	Width (mm) W	Max Bundle Dia. (mm)	Min Loop Tensile (Kgs)	Marking pad A X B	Pack Qty
Natural						
MCV100	100	2.5	23	8.0	8 X 25	100
MCV200	200	4.6	50	22	28 X 13	100

KSS In-line Cable Ties

- Material: UL approved Nylon 66, 94V-2.
- Flat head low profile design to be used with play-ground equipment to prevent harming playing children.

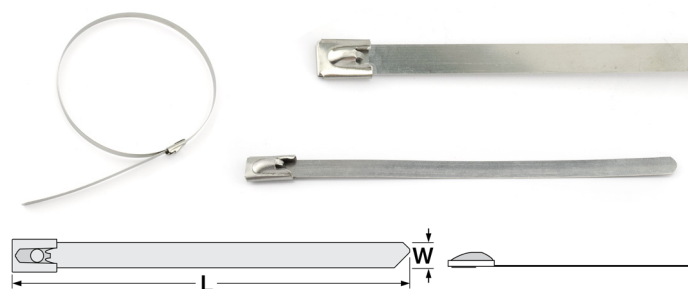


Part Number	Length (mm) L	Width (mm) W	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty
FCV391BE	391	9.0	117	25	100
FCV391Y					
FCV391R					

Cable Accessories

SS Cable Ties

- Made from the highest quality 316 Grade Stainless Steel.
- Roller based design which is self-locking.

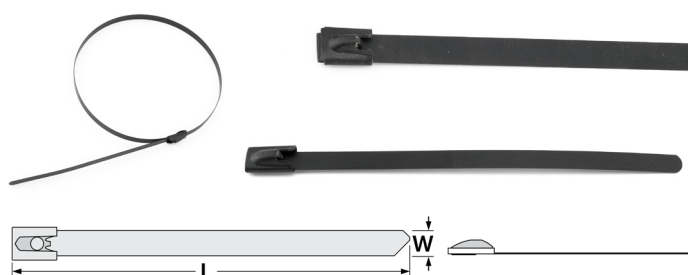


Part Number	Length (mm) L	Width (mm) W	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty
SS100	100	4.6	-	44.5	100
SS150	150	4.6	50	44.5	100
SS200	200	4.6	50	44.5	100
SS200H	200	7.9	50	113.6	100
SS360	360	4.6	100	44.5	100
SS360H	360	7.9	100	113.6	100
SS520	520	4.6	150	44.5	100
SS520H	520	7.9	200	113.6	100
SS680H	680	7.9	250	113.6	100

SS Cable Ties Coated

- Made from the highest quality 316 Grade Stainless Steel.
- Roller based design which is self-locking.
- Coated in non toxic halogen free polyester.

TERMCO



Part Number	Length (mm) L	Width (mm) W	Max Bundle Diameter (mm)	Min Loop Tensile (Kgs)	Pack Qty
SSC100	100	4.6	-	44.5	100
SSC150	150	4.6	50	44.5	100
SSC200	200	4.6	50	44.5	100
SSC200H	200	7.9	50	55.0	100
SSC360	360	4.6	100	44.5	100
SSC360H	360	7.9	100	55.0	100
SSC520	520	4.6	150	44.5	100
SSC520H	520	7.9	200	55.0	100
SSC680	680	4.6	200	44.6	100

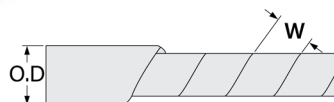
STAINLESS STEEL CABLE TIE TENSIONING TOOL

PART NUMBER: SSCTT



KSS Spiral Wrapping Band (Black)

- Flexible construction enables bands to follow wire ways easily.
- Durable, reusable with retained spiral strength.



Part Number	O.D (mm)	T (mm)	W (mm)	Wrapping Range (mm)	Pack Qty
Black					
KS06BK	4.5	0.6	6.7	2.5 - 15	10m
KS08BK	8.0	0.75	12.0	6 - 30	10m
KS10BK	10.0	0.8	12.3	7.5 - 30	10m
KS12BK	12.0	0.85	15.0	9 - 32	10m
KS15BK	15.0	1.0	15.5	12 - 35	10m
KS19BK	19.0	1.2	19.2	15 - 50	10m
KS24BK	24.0	1.3	21.5	20 - 100	10m

KSS Spiral Wrapping Band (Natural)

- Flexible construction enables bands to follow wire ways easily.
- Durable, reusable with retained spiral strength.



Part Number	O.D (mm)	T (mm)	W (mm)	Wrapping Range (mm)	Pack Qty
Natural					
KS03N	3.0	0.5	4.7	1.5 - 10	10m
KS06N	4.5	0.6	6.7	2.5 - 15	10m
KS08N	8.0	0.75	12.0	6 - 30	10m
KS10N	10.0	0.8	12.3	7.5 - 30	10m
KS12N	12.0	0.85	15.0	9 - 32	10m
KS15N	15.0	1.0	15.5	12 - 35	10m
KS19N	19.0	1.2	19.2	15 - 50	10m
KS24N	24.0	1.3	21.5	20 - 100	10m

HPA Heavy Duty Spiral Guard

- Exceptional crush and outstanding abrasion resistance
- Flame Retardant and Anti-Static

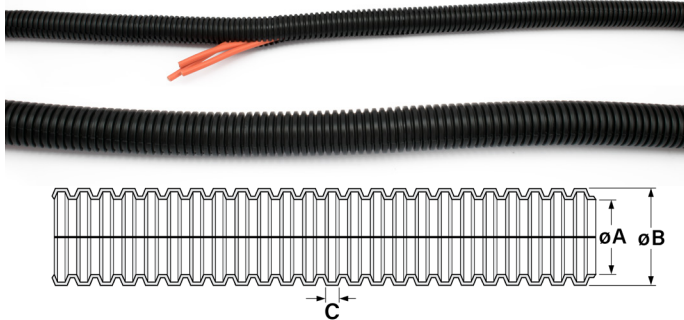


Part Number	I.D (mm)	Wrapping Range (mm)	Pack Qty
HPA12	12	9mm - 12mm	20m
HPA16	16	12mm - 16mm	20m
HPA 20	20	16mm - 22mm	20m
HPA 25	25	22mm - 28mm	20m
HPA 32	32	27mm - 33mm	20m
HPA 40	40	32mm - 42mm	20m
HPA 50	50	42mm - 55mm	20m

Cable Accessories

Split & Non-split Conduit

- For running cable protection in Electrical/ Machinery/Building Harness wiring.
- Flexible.



Part Number		Inner Diameter A (mm)	Outer Diameter B (mm)	Ribbed Width C (mm)	Pack Qty
Split	Non-split				
SC07PK	-	7.4 ± 0.4	10.2 ± 0.4	2.6	10m
SC07PK25	-	7.4 ± 0.4	10.2 ± 0.4	2.6	25m
SC07PK50	SC07PPK50	7.4 ± 0.4	10.2 ± 0.4	2.6	50m
SC07	SC07P	7.4 ± 0.4	10.2 ± 0.4	2.6	400m
SC11SPK	-	10.7 ± 0.4	14.0 ± 0.4	1.1	10m
SC11SPK25	-	10.7 ± 0.4	14.0 ± 0.4	1.1	25m
SC11SPK50	SC11SPPK50	10.7 ± 0.4	14.0 ± 0.4	1.1	50m
SC11S	SC11SP	10.7 ± 0.4	14.0 ± 0.4	1.1	250m
SC13PK	-	13.8 ± 0.4	17.5 ± 0.4	3.1	10m
SC13PK25	-	13.8 ± 0.4	17.5 ± 0.4	3.1	25m
SC13PK50	SC13PPK50	13.8 ± 0.4	17.5 ± 0.4	3.1	50m
SC13	SC13P	13.8 ± 0.4	17.5 ± 0.4	3.1	150m
SC15PK	-	15.0 ± 0.4	19.5 ± 0.4	3.5	10m
SC15PK25	-	15.0 ± 0.4	19.5 ± 0.4	3.5	25m
SC15PK50	SC15PPK50	15.0 ± 0.4	19.5 ± 0.4	3.5	50m
SC15	SC15P	15.0 ± 0.4	19.5 ± 0.4	3.5	100m
SC19PK	-	19.3 ± 0.4	23.8 ± 0.4	3.5	10m
SC19PK25	-	19.3 ± 0.4	23.8 ± 0.4	3.5	25m
SC19PK50	SC19PPK50	19.3 ± 0.4	23.8 ± 0.4	3.5	50m
SC19	SC19P	19.3 ± 0.4	23.8 ± 0.4	3.5	100m
SC22PK	-	21.2 ± 0.4	25.8 ± 0.4	3.1	10m
SC22PK25	-	21.2 ± 0.4	25.8 ± 0.4	3.1	25m
SC22PK50	-	21.2 ± 0.4	25.8 ± 0.4	3.1	50m
SC25PK50	-	25.0 ± 0.4	30.0 ± 0.4	4.1	50m
SC28PK	SC28PKP	28.0 ± 0.4	34.0 ± 0.4	3.1	10m
SC28PK25	-	28.0 ± 0.4	34.0 ± 0.4	3.1	25m
SC28PK50	-	28.0 ± 0.4	34.0 ± 0.4	3.1	50m
SC36PK	-	34.9 ± 0.4	42.0 ± 0.4	3.1	10m
SC36PK25	-	34.9 ± 0.4	42.0 ± 0.4	3.1	25m
SC48PK	-	47.5 ± 0.4	54.5 ± 0.5	2.0	10m
SC48PK25	-	47.5 ± 0.4	54.5 ± 0.5	2.0	25m

DUAL CLAMP TIE

PART NUMBER: CVDCT11

LENGTH: 489mm

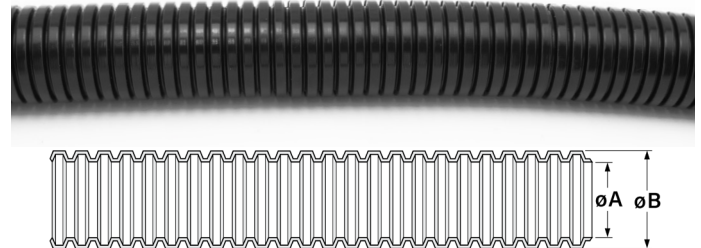
WIDTH: 12.8mm

PACK SIZE: 50pcs



Corlok medium duty conduit & straight fittings

- Corrugated medium duty fine pitch PA6 nylon flexible conduit.
- Offers excellent protection for marine, security, lighting applications and rail.
- UV Resistant



P/N	Normal Size	Outside dia (mm)	Inside dia (mm)	Pack Qty	Straight Connectors IP66 to suit	Straight Connectors IP68 to suit
Non-split						
CL010	10	10.0	6.3	50m	CLCM10-M12	CLCMX10-M12
CL013	13	13.0	9.8	50m	CLCM13-M16	CLCMX13-M16
CL016	16	15.8	11.8	50m	CLCM16-M16	CLCMX16-M16
CL020	20	20.0	14.8	50m	CLCM20-M20	CLCMX20-M20
CL021	21	21.2	16.7	50m	CLCM21-M20	CLCMX21-M20
CL025	25	25.0	19.1	50m	CLCM25-M25	CLCMX25-M25
CL028	28	28.5	22.8	50m	CLCM28-M25	CLCMX28-M25
CL034	34	34.5	28.1	25m	CLCM34-M32	CLCMX34-M32
CL042	42	42.5	35.5	25m	CLCM42-M40	CLCMX42-M40
CL054	54	54.5	47.2	25m	CLCM54-M50	CLCMX54-M50



Corlok Nylon 90° & T Connectors

- Fast fit snap on connectors
- Suitable for knockout or threaded entries



Part Number 90° Bend IP66	Part Number 90° Bend IP68	Conduit Size (mm)	Thread
CLCM-10-M12-90	CLCMX90-10-M12	10	M12
CLCM-13-M16-90	CLCMX90-13-M16	13	M16
CLCM-16-M16-90	CLCMX90-16-M16	16	M16
CLCM-16-M20-90	CLCMX90-16-M20	16	M20
CLCM-20-M20-90	CLCMX90-20-M20	20	M20
CLCM-25-M25-90	CLCMX90-25-M25	25	M25
CLCM-28-M25-90	CLCMX90-28-M25	28	M25
CLCM-34-M32-90	CLCMX90-34-M32	34	M32
CLCM-42-M40-90	CLCMX90-42-M40	42	M40
CLCM-54-M50-90	CLCMX90-54-M50	54	M50

Cable Accessories

Nylon Locknuts



Part Number	Normal Size	Outside dia (mm)	Inside dia (mm)
LN261247	12	18.9	10.5
LN261647	16	22.0	14.5
LN262047	20	27.2	18.6
LN262547	25	32.0	23.6
LN263247	32	40.2	28.3
LN264047	40	48.8	38.6
LN265047	50	59.2	48.7

Premium Grade Liquid Tight Conduit

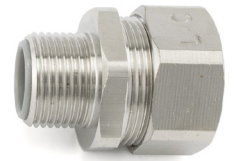
- LT has a flexible hot dipped galvanised steel core and contains a nylon cord packing.
- Type LT is well suited for exposure to extreme climatic conditions.



Part Number		Size (mm)	Outside dia (mm)	Inside dia (mm)	Reel length
Black	Grey				
LT016-B-15	LT016-G-15	16	17.8	12.5	15m
LT016-B-30	LT016-G-30				30m
LT020-B-15	LT020-G-15	20	21.1	16.0	15m
LT020-B-30	LT020-G-30				30m
LT025-B-15	LT025-G-15	25	26.4	21.0	15m
LT025-B-30	LT025-G-30				30m
LT032-B-15	LT032-G-15	32	33.1	26.7	15m
LT032-B-30	LT032-G-30				30m
LT040-B-15	LT040-G-15	40	41.8	35.5	15m
LT040-B-30	LT040-G-30				30m
LT050-B-15	LT050-G-15	50	47.9	40.3	15m
LT050-B-30	LT050-G-30				30m
LT063-B-15	LT063-G-15	63	59.7	51.6	15m
LT063-B-30	LT063-G-30				30m

Premium Grade Liquid Tight Conduit Straight Fittings

- Multi part compression fitting in nickel plated brass.



Part Number	Conduit to suit (mm)
Nickle Plated Brass	
LC-16-B	16
LC-20-B	20
LC-25-B	25
LC-32-B	32
LC-40-B	40
LC-50-B	50
LC-63-B	63

Premium Grade Liquid Tight Conduit 45° Fittings

- Multi part compression fitting in nickel plated brass.



Part Number	Conduit to suit (mm)
Nickle Plated Brass	
LC-20-45-B	20
LC-32-45-B	32
LC-40-45-B	40
LC-50-45-B	50

Premium Grade Liquid Tight Conduit 90° Fittings

- Multi part compression fitting in nickel plated brass.



Part Number	Conduit to suit (mm)
Nickle Plated Brass	
LC-16-90-B	16
LC-20-90-B	20
LC-25-90-B	25
LC-32-90-B	32
LC-40-90-B	40
LC-50-90-B	50
LC-63-90-B	63

Cable Accessories

Premium Grade Liquid Tight Locknuts

- For use with Liquidtight fittings



Part Number	Thread to suit (mm)
Nickle Plated Brass	
LNB16	16
LNB20	20
LNB25	25
LNB32	32
LNB40	40
LNB50	50
LNB63	63

Premium Grade Liquid Tight Ferrules

- For use with Liquidtight fittings



Part Number	Fitting to suit (mm)
Electro Galvanised Steel	
LC-LT0-F	16
LC-LT1-F	20
LC-LT2-F	25
LC-LT3-F	32
LC-LT4-F	40
LC-LT5-F	50
LC-LT6-F	63

Standard Metal Compression Glands

- Multi part compression fitting in nickel plated brass.

TERMCO



Part Number	Cable O.D. Range (mm)	Pack Qty
Nickle Plated Brass		
MG12	3 - 6.5	50
MG16	5 - 10	25
MG20	10 - 14	20
MG25	11 - 17	15
MG32	14 - 21	5
MG40	19 - 28	3
MG50	26 - 35	2
MG63	32 - 42	2

Standard Metal Locknuts

- For use with metal compression glands

TERMCO



Part Number	Thread to suit (mm)	Pack Qty
Nickle Plated Brass		
MLN12	12	100
MLN16	16	100
MLN20	20	100
MLN25	25	50
MLN32	32	20
MLN40	40	20
MLN50	50	10
MLN63	63	10

Nylon Compression Glands

Can be found on page:
28



Cable Accessories

A2 Single Seal Industrial Cable Gland

- For all types of unarmoured & braid armoured cables
- Nickel plated brass



Part Number	Thread (Metric)	Ø Diameter (mm)		Across Flats (mm)	PVC Shroud to Suit Part Number
		Min	Max		
CMP20S16A21RA5/A	M20	3.2	8.7	22.0	CMPPVC04
CMP20SA21RA5/A	M20	6.1	11.7	22.0	CMPPVC04
CMP20A21RA5/A	M20	6.5	14.0	27.0	CMPPVC05
CMP25A21RA5/A	M25	11.1	20.0	36.0	CMPPVC09
CMP32A21RA5/A	M32	17.0	26.3	41.0	CMPPVC10
CMP40A21RA5/A	M40	23.5	33.2	46.0	CMPPVC13
CMP50SA21RA5/A	M50	31.0	38.2	55.0	CMPPVC15
CMP50A21RA5/A	M50	35.6	44.0	60.0	CMPPVC18
CMP63SA21RA5/A	M63	41.5	49.9	65.0	CMPPVC21
CMP63A21RA5/A	M63	47.2	55.9	70.0	CMPPVC23
CMP75SA21RA5/A	M75	54.0	61.9	80.0	CMPPVC26
CMP75A21RA5/A	M75	61.1	67.9	84.0	CMPPVC26
CMP90A21RA5/A	M90	66.6	79.9	108.0	CMPPVC31

CWD Single Seal Industrial Cable Gland with Deluge Seal

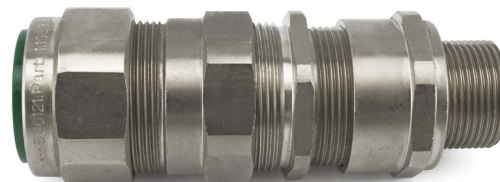
- For all types of Steel & Aluminium wire armoured cable
- Nickel plated brass



Part Number	Thread (Metric)	Ø Diameter (mm)		Across Flats (mm)	PVC Shroud to Suit Part Number
		Min	Max		
CMP20CWD1RA5/A	M20	12.5	20.9	30.5	CMPPVC06
CMP25SCWD1RA5/A	M25	14.0	22.0	36.0	CMPPVC09
CMP25CWD1RA5/A	M25	18.2	26.2	36.0	CMPPVC09
CMP32CWD1RA5/A	M32	23.7	33.9	46.0	CMPPVC11
CMP40CWD1RA5/A	M40	27.9	40.4	55.0	CMPPVC15
CMP50SCWD1RA5/A	M50	35.2	46.7	60.0	CMPPVC18
CMP50CWD1RA5/A	M50	40.4	53.0	70.1	CMPPVC21
CMP63SCWD1RA5/A	M63	45.6	59.4	75.0	CMPPVC23
CMP63CWD1RA5/A	M63	54.6	65.8	80.0	CMPPVC25
CMP75SCWD1RA5/A	M75	59.0	72.0	90.0	CMPPVC28
CMP75CWD1RA5/A	M75	66.7	78.4	100.0	CMPPVC30
CMP90CWD1RA5/A	M90	76.2	90.3	114.0	CMPPVC32

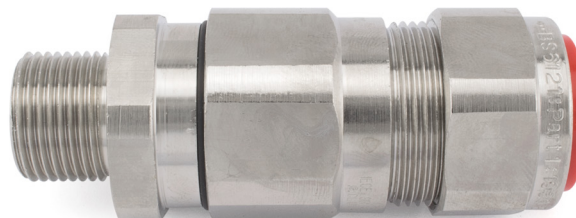
A2F Globally Approved, Explosive Atmosphere Cable Gland

- For all types of unarmoured cables
- Nickel plated brass



Part Number	Thread (Metric)	Ø Diameter (mm)		Across Flats (mm)	PVC Shroud to Suit Part Number
		Min	Max		
CMP20S16A2F1RA5/A	M20	3.2	8.7	22.0	CMPPVC04
CMP20SA2F1RA5/A	M20	6.1	11.7	22.0	CMPPVC04
CMP20A2F1RA5/A	M20	6.5	14.0	27.0	CMPPVC05
CMP25A2F1RA5/A	M25	11.1	20.0	36.0	CMPPVC09
CMP32A2F1RA5/A	M32	17.0	26.3	41.0	CMPPVC10
CMP40A2F1RA5/A	M40	23.5	50.0	46.0	CMPPVC13
CMP50SA2F1RA5/A	M50	31.0	38.2	55.0	CMPPVC15
CMP50A2F1RA5/A	M50	35.6	44.0	60.0	CMPPVC18
CMP63SA2F1RA5/A	M63	41.5	49.9	65.0	CMPPVC21
CMP63A2F1RA5/A	M63	47.2	55.9	70.0	CMPPVC23
CMP75SA2F1RA5/A	M75	54.0	61.9	80.0	CMPPVC26
CMP75A2F1RA5/A	M75	61.1	67.9	84.0	CMPPVC26
CMP90A2F1RA5/A	M90	66.6	79.9	108.0	CMPPVC31

PX2KREX Globally Approved, Explosive Atmosphere RapidEx Barrier Cable Gland *Available on request*



Stopper Plugs *Available on request*



Breather / Drains *Available on request*



Adaptors & Reducers *Available on request*



90° Adaptors *Available on request*



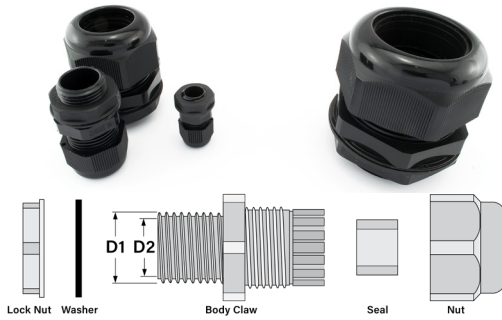
Male-Male Nipples *Available on request*



Cable Accessories

KSS Nylon Compression Cable Gland

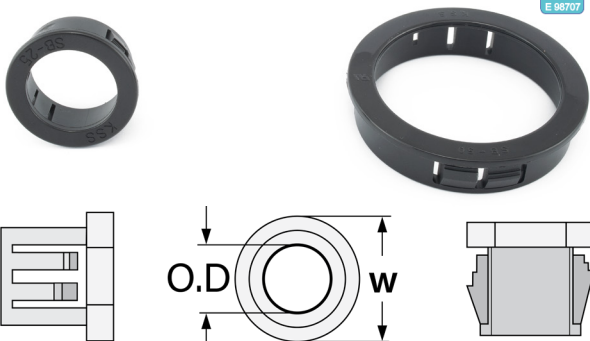
- Material: UL approved Nylon 66, 94V-2



Part Number		Mounting Hole D1 (mm)	Inside I.D D2 (mm)	Cable Range O.D (mm)	Box Qty
Black	White				
AG12	-	12	8.3	3 - 6.5mm	50
AG16	AG16W	16	10.9	5 - 10mm	50
AG20	AG20W	20	15.0	10 - 14mm	36
AG25	AG25W	25	18.6	13 - 18mm	16
AG32	AG32W	32	26.0	18 - 25mm	12
AG40	-	40	33.7	22 - 32mm	6
AG50	-	50	41.9	30 - 38mm	3
AG63M	-	63	54.9	34 - 44mm	2
AG63L	-	63	56.6	42 - 50mm	2

KSS Snap Bushing

- Material: UL approved Nylon 66, 94V-2
- Protect electrical cables, ropes, utility lines through metal holes.



Part Number	Mounting Hole (mm)	Inside I.D (mm)	Overall Width (mm)	Box Qty
SB08	7.9	5.8	10.5	100
SB10	9.5	6.4	12.0	100
SB10M	9.5	7.8	13.0	100
SB13	12.7	8.0	15.0	100
SB16	15.9	12.7	18.6	100
SB19	19.1	14.3	21.7	100
SBR20	20.0	15.9	22.4	100
SB22	22.2	17.5	24.2	100
SBR25	25.4	19.5	28.5	100
SB26	25.9	19.1	28.5	100
SB30	30.1	24.1	33.3	100
SBR32	32.0	23.8	34.6	100
SB38	38.1	29.0	42.1	100
SB50	50.8	41.6	54.6	100
SB63	63.0	50.1	67.2	100

KSS Snap Bushing

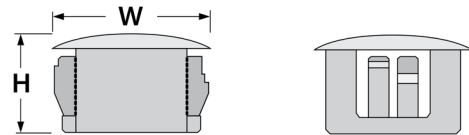
- Material: UL approved Nylon 66, 94V-2
- Protect electrical cables, ropes, utility lines through metal holes.



Part Number	Mounting Hole (mm)	Inside I.D (mm)	Overall Width (mm)	Box Qty
RSB25	25.4	20.4	28.5	100
RSB35	34.9	29.3	37.5	100
RSB38	38.1	31.0	41.0	100

KSS Hole Plug

- Material: UL approved Nylon 66, 94V-2
- Close your unneeded holes with fingertip pressure at low cost.



Part Number	Mounting Hole (mm)	Overall Width W (mm)	Overall Height H (mm)	Box Qty
HP10	9.5	13.0	10.5	100
HP13	12.7	16.5	10.9	100
HP15	14.3	16.7	10.3	100
HP16	15.9	19.5	10.0	100
HP19	19.1	22.9	10.0	100
HP22	22.2	25.8	11.3	100
HP25	25.4	29.0	11.6	100
HP30	30.1	34.2	12.0	100
HP38	38.1	42.1	11.2	100

KSS Nylon Gland (with strain relief)

- Material: UL approved Nylon 66, 94V-2
- Strain relief design protects cable from breakage and right angle breaking



Part Number	Mounting Hole (mm)	Inside I.D (mm)	Overall Length (mm)	Box Qty
AG20SR	20.0	15.0	96.2	100

Cable Accessories

KSS Grommets

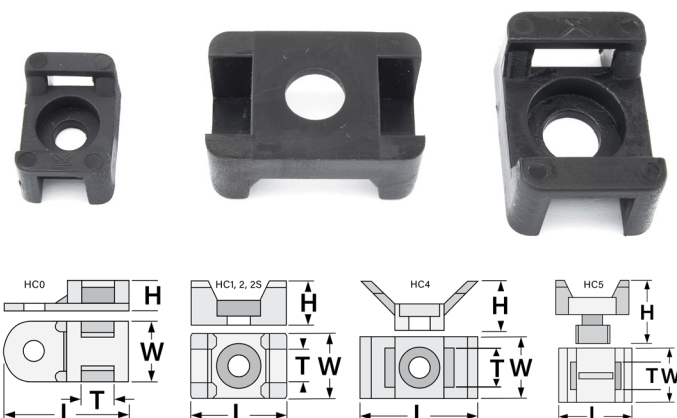
- Material: PVC
- Open & Closed Available



Part Number		Overall Length L (mm)	Overall Thickness W (mm)	Inside Diameter B (mm)	Slot Width T (mm)	Pack Qty
Open	Closed					
GM0603	GMC0603	8.5	4.7	3.0	1.7	100
GM0705	GMC0705	10.2	4.4	5.0	1.7	100
GM1006	GMC1006	13.3	6.3	6.5	1.7	100
GM1108	GMC1108	15.5	9.0	7.8	3.0	100
GM1410	GMC1410	19.5	6.4	10.5	3.4	100
GM2015	GMC2015	23.7	6.1	15.5	1.7	100
GM2518	GMC2518	29.9	7.2	18.9	1.5	100
GM3225	GMC3225	38.1	7.8	25	1.5	100

KSS Saddle Type Tie Mount

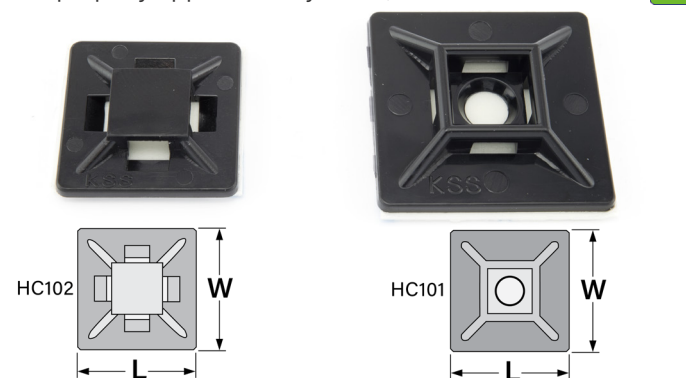
- Material: UL approved Nylon 66, 94V-2
- To apply simply mount with a screw and secure wire bundles with KSS Nylon cable ties.



Part Number		Overall Length L (mm)	Overall Width W (mm)	Overall Height H (mm)	Cable Tie Window Width T (mm)	Pack Qty
Black	Natural					
HC0BK	HC0	19.6	9.5	5.0	5.2	100
HC1BK	HC1	15.0	10.0	7.0	5.1	100
HC2SBK	-	23.0	16.0	9.8	9.0	100
HC2BK	HC2	23.0	16.0	9.8	9.0	100
-	HC4	30.0	14.7	11.6	9.3	100
HC5BK	-	21.5	16.0	10.0	7.8	100

KSS Self Adhesive Tie Mount

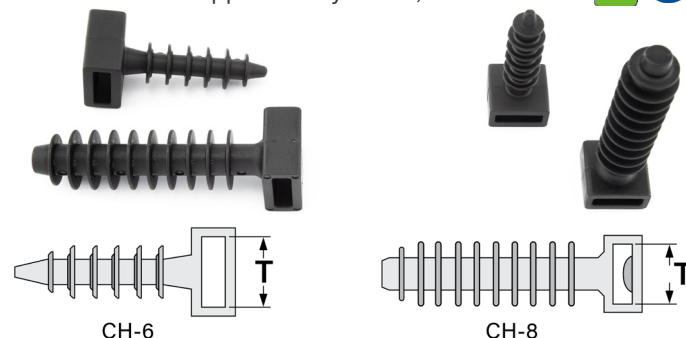
- Material: UL approved Nylon 66, 94V-2
- Designed to support light weight wire bundles when properly applied to any clean, smooth surface.



Part Number		Overall Length (mm)	Overall Width (mm)	Mounting Hole (mm)	Cable Tie Hole Width (mm)	Pack Qty
Black	Natural					
HC101SBK	HC101S	19.5	19.5	3.2	4.6	100
HC101BK	HC101	21.8	21.8	-	4.8	100
HC102BK	HC102	28.6	28.6	5.0	5.5	100

KSS Wall Plug Mount (Christmas Tree)

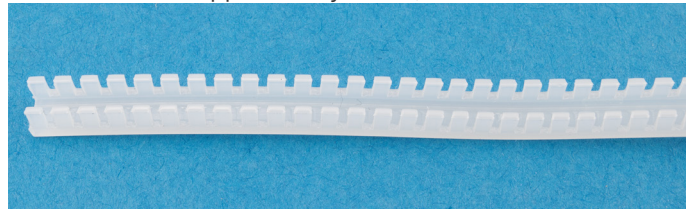
- Material: UL approved Nylon 66, 94V-2



Part Number	Mounting Hole (mm)	Length of Plug (mm)	Pack Qty
Black			
CH-6	6	24.7	100
CH-8	9	37.5	100

KSS Movable Bushing (Grommet Strip)

- Material: UL approved Nylon 66, 94V-2

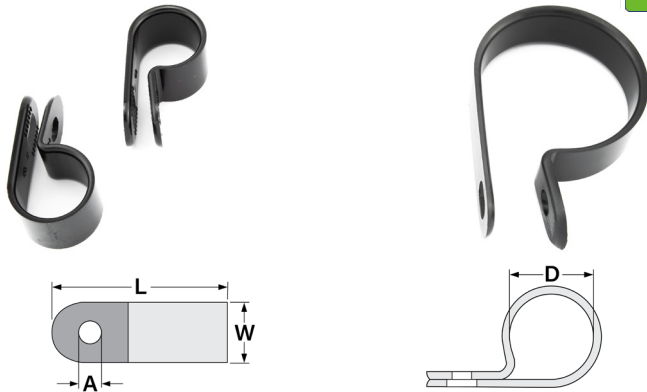


Part Number	Inner Width (mm)	Available Thickness (mm)	Pack Qty
Natural			
KG008	0.8	under 0.8	10m
KG010	1.0	0.8-1.0	10m
KG012	1.2	1.0-1.2	10m
KG016	1.6	1.2-1.6	10m
KG020	2.0	1.6-2.0	10m
KG024	2.4	2.0-2.4	10m
KG032	3.2	2.4-3.2	10m

Cable Accessories

KSS Nylon Cable Clamp (P Clips)

- Material: UL approved Nylon 66, 94V-2
- Designed to hold cables, tubes and components.



Part Number		Mounting Hole A (mm)	Overall Length L (mm)	Overall Width W (mm)	Bundle Dia. D (mm) - (inches)	Pack Qty
Black	Natural					
UC0	UC0N	4.8	16.9	9.6	3.1 - 1/8"	100
UC0.5	UC0.5N	4.8	18.5	9.6	5.0 - 3/16"	100
UC1	UC1N	4.6	20.0	10.1	6.3 - 1/4"	100
UC1.5	UC1.5N	5.0	22.6	10.0	7.9 - 5/16"	100
UC2	UC2N	5.0	26.6	12.3	9.5 - 3/8"	100
UC3	UC3N	5.0	30.3	12.2	12.7 - 1/2"	100
UC4	UC4N	5.0	32.4	12.4	15.8 - 5/8"	100
UC5	UC5N	4.8	37.3	11.8	19.4 - 3/4"	100
UC6	UC6N	5.0	43.4	12.0	25.4 - 1"	100
UC7	UC7N	4.7	52.3	12.0	31.8 - 1 1/4"	100
UC9	UC9N	4.8	58.3	12.5	36.7 - 1 1/2"	100

Steel Rubber Cable Clamp (P Clips)

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- Material: Zinc Plated Steel & Rubber
- Designed to hold cables, tubes and components.



Part Number	Bundle Dia. (mm)
TMPC06	6
TMPC08	8
TMPC10	10
TMPC13	13
TMPC16	16
TMPC19	19
TMPC21	21
TMPC25	25
TMPC32	32
TMPC38	38

KSS Nail Cable Clip (Flat)

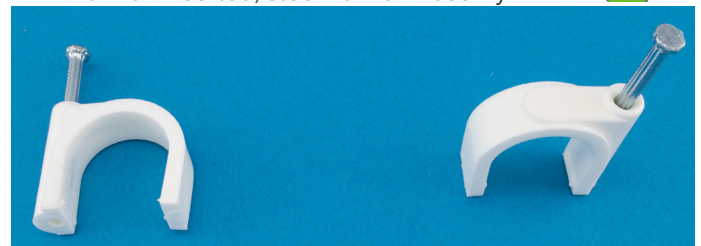
- Material: PE (Polyethylene)
- With nail inserted, steel nail for masonry



Part Number	Cable Tunnel Width (mm)	Suitable Wires (mm)	Nails (mm)	Pack Qty
White				
NF2.6S/500	11.9	2.0 T&E	2.0x25	500
NFP2.1/500	9.3	1.0&1.5 T&E	2.0x25	500
NFP2.1/5K	9.3	1.0&1.5 T&E	2.0x25	5000

KSS Nail Cable Clip (Round)

- Material: PE (Polyethylene)
- With nail inserted, steel nail for masonry

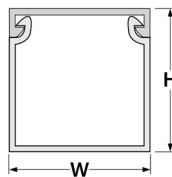
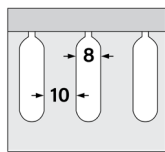
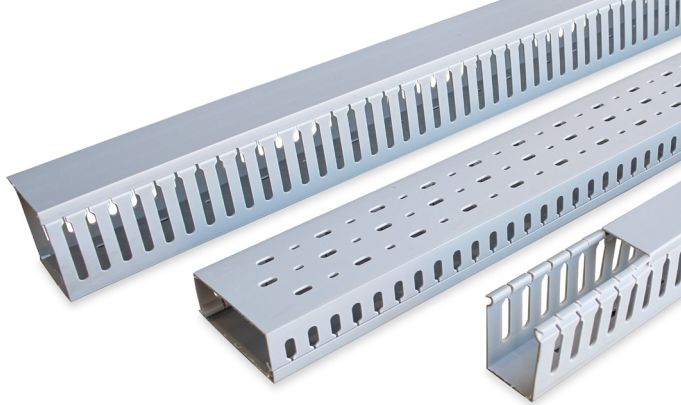


Part Number	Cable Tunnel Width (mm)	Nails (mm)	Pack Qty
White			
NC00.35NW	3.5	2.0x20	100
NC00.4NW	4.0	2.5x18	100
NC01NW	6.0	2.5x18	100
NC01NBK (BLACK)	6.0	2.5x18	100
NC02NW	8.0	2.5x22	100
NC03NW	10.0	2.5x25	100
NC08NW	22.0	3.2x42	100
NC09NW	25.0	3.2x47	100
NC10NW	32.0	3.6x56	100

Cable Accessories

KSS Wiring Duct (Slotted)

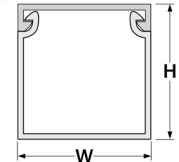
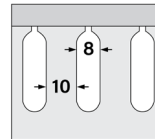
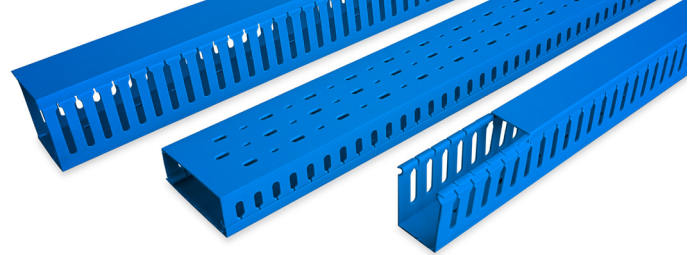
- Material: High impact, warp-proof PVC, self-extinguishing, UL approved 95V-0
- Colour: Grey



Part Number (8mm Slot x 2m Length)		Overall Width W (mm)	Overall Height L (mm)	Pack Qty	Lid to Suit "Please note all ducting includes lids"
ES	KSS				
SD025030	VD1	25	30	72	SDL025
SD025040	VD2	25	40	56	
SD025045	MD1L	25	45	80	
SD025050	AD1X2	25	50	48	
SD025060	VD6	25	60	42	
SD025075	AD1X3	25	75	24	
SD025080	VD9.66	25	80	28	
SD040040	VD4	40	40	38	SDL040
SD040060	VD7	40	60	28	
SD040080	VD9.7	40	80	28	
SD040100	VD12	40	100	24	
SD048100	MD6.7L	48	100	20	SDL048
SD050050	AD2X2	50	50	26	SDL050
SD050075	AD2X3	50	75	24	
SD060040	VD5	60	40	26	SDL060
SD060060	VD8	60	60	18	
SD060080	VD9.8	60	80	20	
SD060100	VD13	60	100	16	
SD070100	MD7L	70	100	14	SDL070
SD075075	AD3X3	75	75	16	-
SD080040	VD5.5	80	40	24	SDL080
SD080060	VD9	80	60	20	
SD080080	VD10	80	80	16	
SD080100	VD14	80	100	12	
SD100040	VD5.7	100	40	20	SDL100
SD100060	VD9.5	100	60	16	
SD100080	VD10.5	100	80	12	
SD100100	MD8L	100	100	10	
SD120080	VD11	120	80	10	SDL120
SD150100	MD12L	150	100	6	SDL150

KSS Wiring Duct (Slotted)

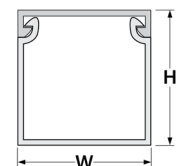
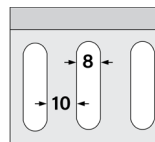
- Material: High impact, warp-proof PVC, self-extinguishing, UL approved 95V-0
- Colour: Blue



Part Number (8mm Slot x 2m Length)		Overall Width (mm)	Overall Height (mm)	Pack Qty
ES	KSS			
SD025060BL	VD6BE	25	60	42
SD040060BL	VD7BE	40	60	28
SD040080BL	VD9.7BE	40	80	28
SD048100BL	MD6.7LBE	48	100	20
SD060060BL	VD8BE	60	60	18
SD060080BL	VD9.8BE	60	80	20
SD070100BL	MD7LBE	70	100	14
SD080080BL	VD10BE	80	80	16
SD100100BL	MD8LBE	100	100	10

KSS Wiring Duct (Closed Slotted)

- Material: High impact, warp-proof PVC, self-extinguishing, UL approved 95V-0
- Colour: Black

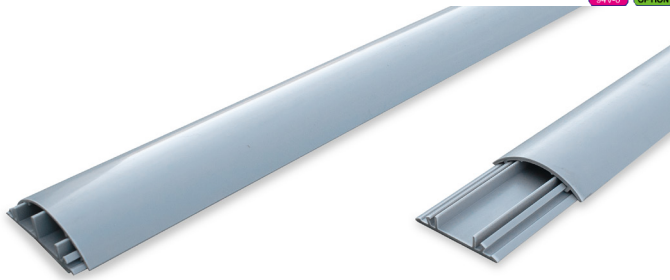


Part Number (8mm Slot x 2m Length)		Overall Width (mm)	Overall Height (mm)	Pack Qty
ES	KSS			
SDC025060BK	VDC-2560	25	60	42
SDC040040BK	VDC-4040	40	40	38
SDC040060BK	VDC-4060	40	60	28
SDC040080BK	VDC-4080	40	80	28
SDC060060BK	VDC-6060	60	60	18
SDC060080BK	VDC-6080	60	80	20
SDC080080BK	VDC-8080	80	80	16
SDC100100BK	VDC-100100	100	100	10

Cable Accessories

KSS Round Type Wiring Duct

- Material: High impact, warp-proof PVC, self-extinguishing, UL approved 95V-0
- Colour: Grey



Part Number (Rigid 2m Length)		Overall Width (mm)	Overall Height (mm)
ES	KSS		
SD-RD50Z	RD-50	50	11

KSS Soft Wiring Duct

- Material: High impact, warp-proof PVC, self-extinguishing, UL approved 95V-0
- Colour: Grey



Part Number (1.83m Length)		Overall Width (mm)	Overall Height (mm)
ES	KSS		
SD-SRD65	SRD-65	66	15.3

KSS WIRING DUCT CUTTER TYPE 2

PART NUMBER: SD-WT2



PVC Flexible Tubing

- Material: PVC

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PVC Tubing Key

Clear (CL)	Black (BK)	Green (G)
Red (R)	Yellow (Y)	White (W)

Part Number	Inner Diameter (mm)	Roll Size
PVCT01BK	1.0	100M
PVCT01CL		
PVCT01G		
PVCT02BK	2.0	100M
PVCT02CL		
PVCT02G		
PVCT03BK	3.0	50M
PVCT03CL		
PVCT03G		
PVCT03CL/100M	3.0	100M
PVCT04BK	4.0	50M
PVCT04CL		
PVCT04G		
PVCT04R		
PVCT04W	4.0	200M
PVCT04Y		
PVCT04Y200M	4.0	200M
PVCT05BK	5.0	25M
PVCT05CL		
PVCT05G		
PVCT06BK	6.0	25M
PVCT06CL		
PVCT06G		
PVCT07BK	7.0	25M
PVCT08BK	8.0	25M
PVCT08G		
PVCT09BK	9.0	25M
PVCT10BK	10.0	25M
PVCT10G		
PVCT12BK	12.0	25M
PVCT12G	14.0	25M
PVCT14BK		
PVCT14G		
PVCT016BK	16.0	25M
PVCT020BK	20.0	25M
PVCT020G		
PVCT025BK	25.0	25M
PVCT025G		
PVCT030BK	30.0	25M

Cable Accessories

Rubber Glass Sleeving (SRGS)

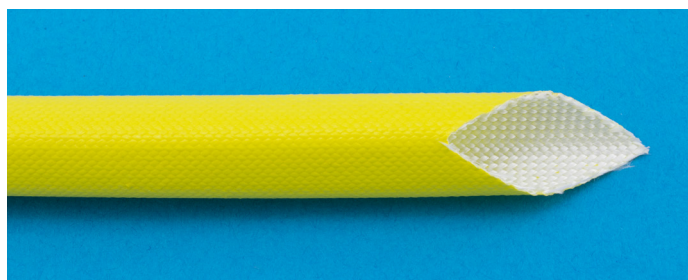
- Vidaflex SD550
- Manufactured by coating braided "E" glass yarn with a solventless silicone elastomer
- Class H, -60 to 180°C
- Max short term temperature 250°C



Part Number	Inner Diameter (mm)	Roll Size
SRGS02	2.0	250M
SRGS04	4.0	250M
SRGS06	6.0	250M
SRGS08	8.0	200M
SRGS10	10.0	100M
SRGS12	12.0	100M
SRGS15	15.0	50M
SRGS20	20.0	50M
SRGS25	25.0	50M

Acrylic Glass Sleeving (ACS)

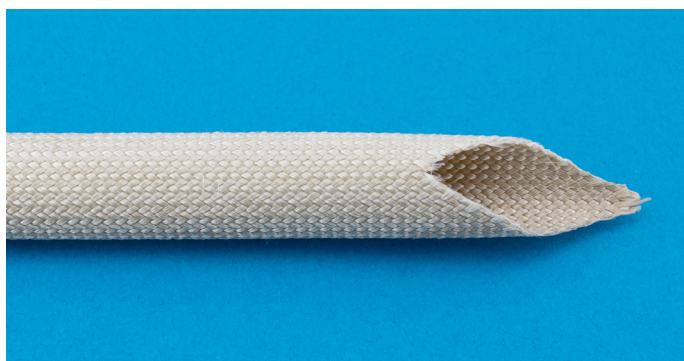
- Vidaflex 942
- Manufactured by coating braided "E" glass yarn with acrylic resin
- Continuous temperature -25 to 155°C
- Max short term temperature 200°C



Part Number	Inner Diameter (mm)	Roll Size
ACS005Y	0.5	200M
ACS010Y	1.0	500M
ACS020Y	2.0	250M
ACS025Y	2.5	250M
ACS030Y	3.0	250M
ACS04Y	4.0	100M
ACS05Y	5.0	100M
ACS06Y	6.0	100M
ACS08Y	8.0	100M
ACS10Y	10.0	50M
ACS12Y	12.0	50M
ACS16Y	16.0	50M
ACS20Y	20.0	50M

Braided Glass Sleeving (SVS)

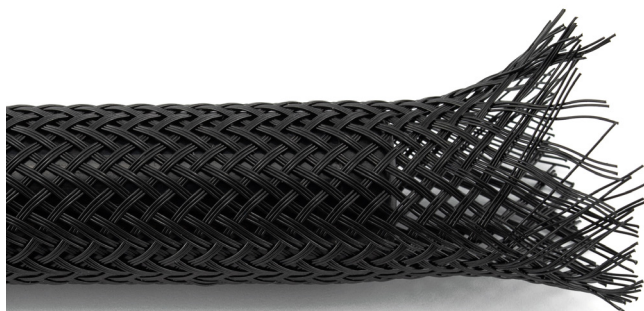
- Vidaflex 111
- Manufactured by impregnating with specially formulated silicon resin
- Class C, -60 to 250°C
- Max short term temperature 450°C



Part Number	Inner Diameter (mm)	Roll Size
SVS02	2.0	250M
SVS03	3.0	250M
SVS04	4.0	100M
SVS05	5.0	100M
SVS06	6.0	100M
SVS08	8.0	100M
SVS10	10.0	50M
SVS12	12.0	50M
SVS16	16.0	50M
SVS18	18.0	50M
SVS20	20.0	50M
SVS25	25.0	50M

Expandible Sleeving (ES)

- Vidaflex Monofil PE
- Close weave sleeving, produced from braided PET-monofilaments
- Class B, -70 to 150°C



Part Number	FG Number	Inner Min/Max Diameter (mm)	Roll Size
ES0310	FG106	3.0 - 10.0	100M
ES0620	FG112	6.0 - 20.0	100M
ES1230	FG120	12.0 - 30.0	100M
ES2040	FG130	20.0 - 40.0	100M
ES2560	FG140	25.0 - 60.0	100M
ES3070	FG145	30.0 - 70.0	50M

Cable Accessories

PVC Electrical Insulation Tape

- 0.15mm x 18mm x 20m Rolls



Part Number	Colour
ETBK	Black
ETBL	Blue
ETG	Green
ETGRY	Grey
ETGY	Green Yellow
ETOR	Orange
ETR	Red
ETW	White
ETY	Yellow
ETRBW-PK	Red, White, Black, Blue, Green Yellow

Critchley K-Type Cable Markers

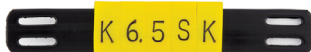
- For cable dia 4.2 - 7.0mm
- For cable size 4.0 - 10.0mm²
- Marker width 6mm, length 12mm
- Service temperature range -45° to +70°C
- Material: PVC



Part Number	Available Numbers, Letters & Misc	Roll Size
K65-(Number or Letter or Misc)	0, 01, 02, 03, 04, 05, 06, 07, 08, 09, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, +, -, ., /	500pc



ENGINEERING SUPPLIES
Smart Choice!



+ PVC CASE!

0 100PC	1 100PC	2 100PC	3 100PC	4 100PC	5 100PC	6 100PC	7 100PC	8 100PC	9 100PC	A 100PC	B 100PC
C 100PC	D 100PC	E 100PC	F 100PC	G 100PC	H 100PC	I 100PC	J 100PC	K 100PC	L 100PC	M 100PC	N 100PC
O 100PC	P 100PC	Q 100PC	R 100PC	S 100PC	T 100PC	U 100PC	V 100PC	W 100PC	X 100PC	Y 100PC	Z 100PC
- 100PC	+ 100PC	/ 100PC	K65CS-18 100PC 18 DIGIT CARRIER STRIP				K65CS-07 100PC 7 DIGIT CARRIER STRIP				

CRITCHLEY MARKER STARTER KIT

146 Welshpool Road, Welshpool 6106 | sales@engsup.com.au
08 9258 8444

Critchley K-Type Marker Carrier Strips

- Service temperature range -45° to +70°C
- Material: PVC



Part Number	Critchley Part Number	Capacity	Box QTY
K65CS-07	EC4943-500 1132	7 digits	500
K65CS-12	EC4942-500 1131	12 digits	500
K65CS-18	EC4941-250 1130	18 digits	250

Critchley Z-Type Cable Markers

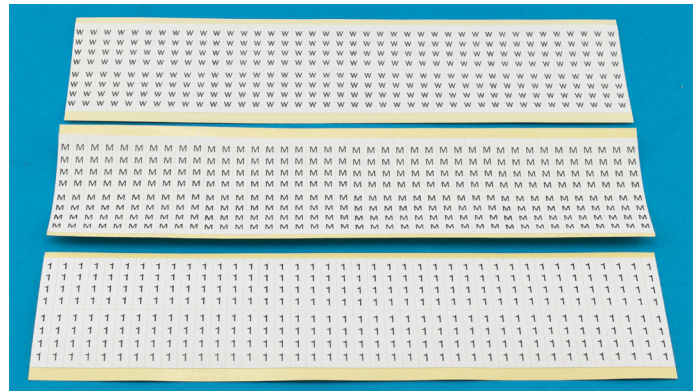
- Straight Cut
- Service temperature range -45° to +70°C
- Material: PVC
- Colour: White with black text



Part Number	Available Numbers, Letters & Misc	For Cable Dia (mm)	For Cable Size	Marker Size	Roll Size
ZS09-(Number or Letter or Misc)	0-9, A-Z, +, -, /	2.5 - 4.0	1.5mm ²	9	1000
ZS11-(Number or Letter or Misc)	0-9, A-Z, +, -, /	2.4 - 4.7	2.5mm ²	11	1000
ZS13-(Number or Letter or Misc)	0-9, A-Z, +, -, /	3.4 - 5.7	4.0mm ²	13	1000
ZS15-(Number or Letter or Misc)	0-9, A-Z, +, -, /	3.8 - 6.3	6.0mm ²	15	1000

KSS Self Adhesive Wire Marker

- Stick to wires for permanent identification



Part Number	Available Numbers, Letters & Misc	Length (mm)	Width (mm)	Sheet QTY
WM(Number or Letter or Misc)	0-9, A-Z, +, -, /	25	6.5	50

Cable Accessories

KSS FM Cable Markers

- For cable dia 3.5 - 7.0mm
- For cable size 2.0 - 8.0mm²
- Marker width 6mm, length 12mm
- Slip over cable or marker strip
- Material: PVC



Part Number	Available Numbers, Letters & Misc	Roll Size
FM(Number or Letter or Misc)	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, +, -, ., /	500pc



ENGINEERING SUPPLIES
Smart Choice!



FMSK + PVC CASE!

0 100PC	1 100PC	2 100PC	3 100PC	4 100PC	5 100PC	6 100PC	7 100PC	8 100PC	9 100PC	A 100PC	B 100PC
C 100PC	D 100PC	E 100PC	F 100PC	G 100PC	H 100PC	I 100PC	J 100PC	K 100PC	L 100PC	M 100PC	N 100PC
O 100PC	P 100PC	Q 100PC	R 100PC	S 100PC	T 100PC	U 100PC	V 100PC	W 100PC	X 100PC	Y 100PC	Z 100PC
- 100PC	+ 100PC	/ 100PC	MS100 100PC 100mm CARRIER STRIP				MS065 100PC 65mm CARRIER STRIP				

FM MARKER STARTER KIT

146 Welshpool Road, Welshpool 6106 | sales@engsup.com.au
08 9258 8444

KSS Marker Carrier Strips

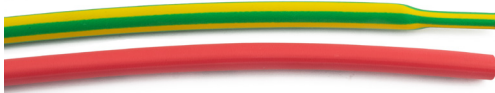
- Material: PVC



Part Number	Capacity	Pack QTY
MS065	9 digits	100
MS100	16 digits	100
MS135	23 digits	100

Termco & Raychem Heat Shrink - Contents

TERMCO THIN WALL HEAT SHRINK



P. **37**

TERMCO DUAL WALL HEAT SHRINK



P. **38**

TERMCO MEDIUM WALL HEAT SHRINK



P. **38**

TERMCO HEATSHRINKABLE ZIP SHRINK REPAIR SLEEVE



P. **38**

TERMCO HEAT SHRINK END CAPS



P. **39**

RAYCHEM MWTM MEDIUM WALL HEAT SHRINK



P. **39**

RAYCHEM WCSM HEAVY WALL HEAT SHRINK



P. **39**

RAYCHEM HEAT SHRINK END CAPS



P. **40**

RAYCHEM BREAKOUT GLOVES



P. **40**

RAYCHEM HEATSHRINKABLE ZIP SHRINK REPAIR SLEEVE



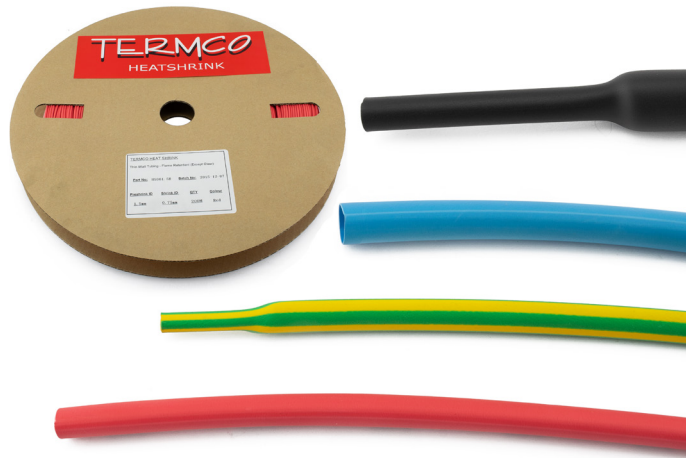
P. **40**

Termco & Raychem Heat Shrink - Contents

Termco Thin Wall Heat Shrink Rolls

TERMCO

- Cross linked polyolefin
- Flame retardant (clear heatshrink is not flame retardant)
- Shrink ratio 2:1
- **Operating temp.:** -55 to +125°C (Clear: -55 to +105°C)



Heat Shrink Colour Key		
Blue (BL)	Yellow (Y)	White (W)
Green (G)	Clear (CL)	Green/Yellow(GY)
Black (BK)	Red (R)	

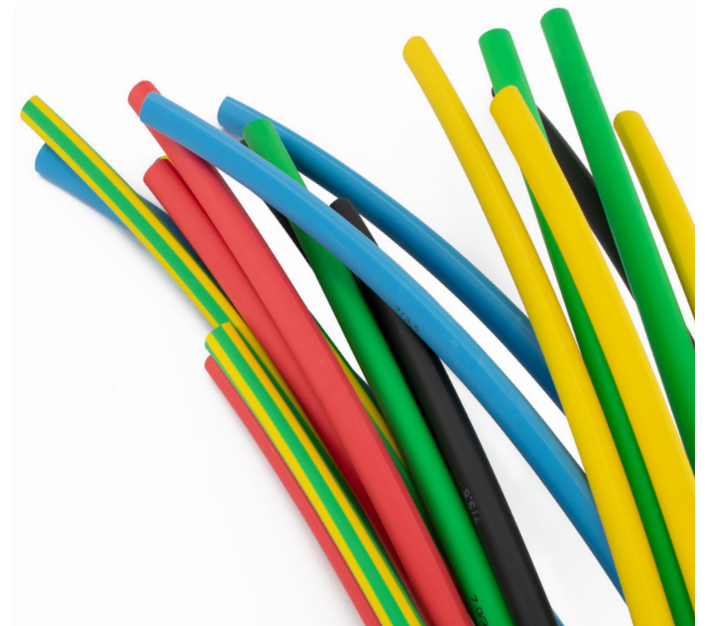
Stock code example: **HS013BK**

Part Number	Available Colours	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)	Roll Size
HS001.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	1.5	0.75	0.36	200m
HS002.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	2.5	1.25	0.44	200m
HS003.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	3.5	1.75	0.44	200m
HS005(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	5.0	2.50	0.56	100m
HS007(Colour abbreviation)	BL, G, CL, BK, R, W, GY	7.0	3.50	0.56	50m
HS010(Colour abbreviation)	BL, G, CL, BK, R, W, GY	10.0	5.0	0.56	50m
HS013(Colour abbreviation)	BL, G, CL, BK, R, W, GY	13.0	6.5	0.65	50m
HS016(Colour abbreviation)	BL, G, CL, BK, R, W, GY	16.0	8.0	0.69	50m
HS020(Colour abbreviation)	BL, G, CL, BK, R, W, GY	20.0	10.0	0.80	50m
HS025(Colour abbreviation)	BL, G, CL, BK, R, W, GY	25.0	12.5	0.8	50m
HS030(Colour abbreviation)	BL, G, CL, BK, R, W, GY	30.0	15.0	0.9	50m
HS040(Colour abbreviation)	BL, G, CL, BK, R, W, GY	40.0	20.0	1.0	25m
HS050(Colour abbreviation)	BL, G, CL, BK, R, W, GY	50.0	25.0	1.0	25m
HS076(Colour abbreviation)	BL, G, CL, BK, R, W, GY	76.0	38.0	1.15	25m
HS100(Colour abbreviation)	BL, G, CL, BK, R, W	100.0	50.0	1.3	25m
HS120(Colour abbreviation)	BL, G, CL, BK, R, W	120.0	60.0	1.3	15m

Termco Thin Wall Heat Shrink Lengths

TERMCO

- 1.2m lengths
- Cross linked polyolefin
- Flame retardant (clear heat shrink is not flame retardant)
- Shrink ratio 2:1
- **Operating temp.:** -55 to +125°C (Clear: -55 to +105°C)



Heat Shrink Colour Key		
Blue (BL)	Yellow (Y)	White (W)
Green (G)	Clear (CL)	Green/Yellow(GY)
Black (BK)	Red (R)	

Stock code example: **HSC020R**

Part Number	Available Colours	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)
HSC001.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	1.5	0.75	0.36
HSC002.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	2.5	1.25	0.44
HSC003.5(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	3.5	1.75	0.44
HSC005(Colour abbreviation)	BL, Y, G, CL, BK, R, W, GY	5.0	2.50	0.56
HSC007(Colour abbreviation)	BL, G, CL, BK, R, W, GY	7.0	3.50	0.56
HSC010(Colour abbreviation)	BL, G, CL, BK, R, W, GY	10.0	5.0	0.56
HSC013(Colour abbreviation)	BL, G, CL, BK, R, W, GY	13.0	6.5	0.65
HSC020(Colour abbreviation)	BL, G, CL, BK, R, W, GY	20.0	10.0	0.80
HSC025(Colour abbreviation)	BL, G, CL, BK, R, W, GY	25.0	12.5	0.8
HSC040(Colour abbreviation)	BL, G, CL, BK, R, W, GY	40.0	20.0	1.0
HSC050(Colour abbreviation)	BL, G, CL, BK, R, W, GY	50.0	25.0	1.0
HSC076(Colour abbreviation)	BL, G, CL, BK, R, W, GY	76.0	38.0	1.15
HSC100(Colour abbreviation)	BL, G, CL, BK, R, W	100.0	50.0	1.3

Termco & Raychem Heat Shrink - Contents

Termco Dual Wall Heat Shrink

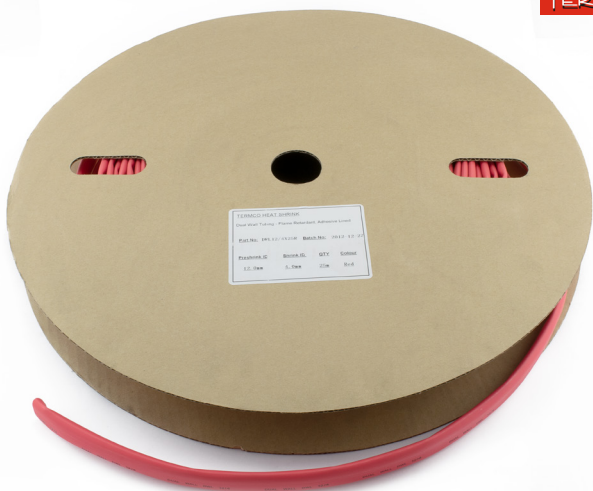
TERMCO

- Cross linked adhesive lined polyolefin
- Flame retardant
- Shrink ratio 3:1
- **Operating temp.:** -55 to +125°C
- Bonds perfectly to various wire jackets



Part Number	Colour	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)		Length	Spool
				w1	w2		
DWL3/1	Black	3.0	1.0	1.0	0.5	1.2m	200m
DWL3/1R	Red						
DWL5/1.6	Black	5.0	1.6	1.0	0.5	1.2m	100m
DWL5/1.6R	Red						
DWL6/2	Black	6.0	2.0	1.0	0.5	1.2m	50m
DWL6/2R	Red						
DWL9/3	Black	9.0	3.0	1.4	0.6	1.2m	50m
DWL9/3R	Red						
DWL12/4	Black	12.0	4.0	1.6	0.8	1.2m	25m
DWL12/4R	Red						
DWL18/6	Black	18.0	6.0	2.15	0.8	1.2m	25m
DWL18/6R	Red						
DWL24/8	Black	24.0	8.0	2.4	1.0	1.2m	25m
DWL24/8R	Red						
DWL40/13	Black	40.0	13.0	2.4	1.0	1.2m	25m
DWL39/13R	Red	39.0	13.0	2.4	1.0	1.2m	25m

TERMCO



Termco Medium Wall Heat Shrink

TERMCO

- Cross linked adhesive lined polyolefin
- Flame retardant
- Shrink ratio 3:1
- **Operating temp.:** -55 to +110°C
- UV resistant

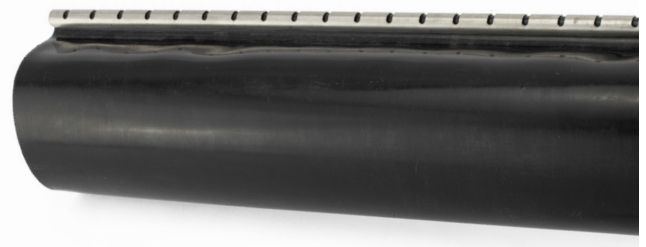


Part Number	Colour	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)	Length
MWL012/3	Black	12.0	3.0	1.5	1.2m
MWL016/5	Black	16.0	5.0	1.5	1.2m
MWL022/06	Black	22.0	6.0	2.0	1.2m
MWL033/08	Black	33.0	8.0	2.0	1.2m
MWL040/12	Black	40.0	12.0	2.0	1.2m
MWL055/16	Black	55.0	16.0	2.0	1.2m
MWL065/19	Black	65.0	19.0	2.5	1.2m
MWL075/22	Black	75.0	22.0	2.7	1.2m
MWL095/25	Black	95.0	25.0	2.9	1.2m
MWL115/34	Black	115.0	34.0	3.2	1.2m
MWL140/42	Black	140	42	3.5	1.2m

Termco Heat Shrinkable Cable Repair Sleeve

TERMCO

- Shrinkable wrap around sleeve
- UV & weather resistant
- Provides excellent corrosion and abrasion protection
- **Operating temp.:** -40° to + 65°C



Part Number	Inside Diameter (mm)	Wall Thickness Before Shrink (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)	Length
HSWAS036010	38	1.5	9	2.4	1.0m
HSWAS055013	57	1.5	13	2.5	1.0m
HSWAS085020	85	1.5	20	3.0	1.0m
HSWAS108027	110	1.5	27	3.0	1.0m
HSWAS136030	138	1.5	30	3.2	1.0m

Termco & Raychem Heat Shrink - Contents

Termco Heat Shrink End Cap

- Cross linked adhesive lined polyolefin
- Excellent sealing properties
- Shrink ratio 3:1
- **Operating temp.:** -55 to +110°C
- UV resistant

TERMCO



Part Number	Inside Diameter (mm)	End Cap Length (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm)
HSEC048015	4.8	30	1.5	1.1
HSEC0602	6.0	30	2.0	1.2
HSEC0903	9.0	35	3.0	1.3
HSEC1204	12.0	40	4.0	2.6
HSEC1405/55	14.0	45	5.0	2.2
HSEC2006	20.0	55	6.0	2.8
HSEC25085	25.0	68	8.5	2.8
HSEC3516	35.0	83	16.0	3.3
HSEC4015	40.0	90	15.0	3.3
HSEC5526	55.0	103	26.0	3.5
HSEC7536	75.0	120	36.0	4.0
HSEC10052	100.0	140	52.0	4.0
HSEC14560	145.0	150	60.0	4.0

Termco Heat Shrink Stand

Available on request, please contact sales@engsup.com.au or call us on 08 9258 8444

Heatshrink sold separately



Raychem MWTM Medium Wall Heat Shrink

Raychem®

- Cross linked adhesive lined polyolefin
- Flame retardant
- Shrink ratio 3:1
- UV resistant



Part Number	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness Before & After Full Shrink (mm)		Length	Spool Without Sealant
			w1	w2		
MWTM10/3-1200	10.0	3.0	0.3	1.0	1.2m	40m
MWTM16/5-1200	16.0	5.0	0.3	1.4	1.2m	40m
MWTM25/8-1200	25.0	8.0	0.4	2.0	1.2m	40m
MWTM35/12-1200	35.0	12.0	0.4	2.0	1.2m	30m
MWTM50/16-1200	50.0	16.0	0.5	2.0	1.2m	25m
MWTM63/19-1200	63.0	19.0	0.6	2.4	1.2m	15m
MWTM75/22-1200	75.0	22.0	0.6	2.7	1.2m	-
MWTM85/25-1200	85.0	25.0	0.6	2.8	1.2m	-
MWTM95/29-1200	95.0	29.0	0.7	3.1	1.2m	-
MWTM115/34-1200	115.0	34.0	0.7	3.1	1.2m	-
MWTM140/42-1200	140.0	42.0	0.7	3.1	1.2m	-
MWTM160/50-1200	160.0	50.0	0.7	3.2	1.2m	-
MWTM180/60-1200	180.0	60.0	0.7	3.2	1.2m	-

Raychem WCSM Heavy-wall Heat Shrink

Raychem®

- Cross linked adhesive lined polyolefin
- Flame retardant
- Shrink ratio 3:1
- UV resistant



Part Number	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness Before & After Full Shrink (mm)		Length
			w1	w2	
WCSM16/4-1200	16.0	4.0	0.9	2.4	1.2m
WCSM24/6-1200	24.0	6.0	1.0	2.7	1.2m
WCSM34/8-1200	34.0	8.0	1.3	4.0	1.2m
WCSM48/12-1200	48.0	12.0	1.5	4.5	1.2m
WCSM56/16-1200	56.0	16.0	1.5	4.4	1.2m
WCSM70/20-1200	70.0	20.0	1.4	4.4	1.2m
WCSM90/25-1200	90.0	25.0	1.3	4.3	1.2m
WCSM110/30-1200	110.0	30.0	1.2	4.3	1.2m
WCSM130/35-1200	130.0	35.0	1.2	4.3	1.2m
WCSM160/50-1200	160.0	50.0	1.0	4.3	1.2m
WCSM180/50-1200	180.0	50.0	1.0	4.3	1.2m

Termco & Raychem Heat Shrink - Contents

Raychem Heat Shrink End Caps

- Cross linked adhesive lined polyolefin
- Flame retardant
- Shrink ratio 2:1
- UV resistant

Raychem®



Part Number	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Wall Thickness After Full Shrink (mm) ± 20%	Length (mm)
102L011/S	10.0	4.0	2.0	38
102L022/S	20.0	7.5	2.8	55
102L033/S	35.0	15.0	3.2	90
DUL102L044/S	55.0	25.0	3.9	143
102L048/S	75.0	32.0	3.3	150
102L055/S	100.0	45.0	3.8	162
102L066/S	120.0	70.0	3.8	145

Raychem Heat Shrinkable Cable Repair Sleeve

- Shrinkable wrap around sleeve 3:1 ratio
- UV & weather resistant
- Cross-linked polyolefin, medium wall
- Inline-coated with hot melt adhesive

Raychem®

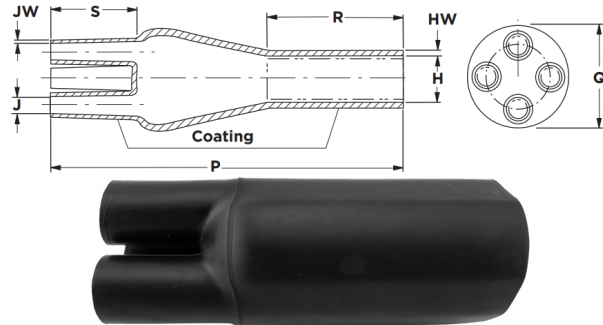


Part Number	Inside Diameter (mm)	Inside Diameter After Full Shrink (mm)	Application Range Min (mm)	Application Range Max (mm)	Length
CRSM-34/10	35	10	11	27	1.2m
CRSM-53/13	54	15	17	43	1.2m
CRSM-84/20	86	22	24	68	1.2m
CRSM-107/29	108	27	31	86	1.2 & 1.5m
CRSM-143/36	144	28	33	115	1.2 & 1.5m
CRSM-198/55	203	50	56	160	1.2 & 1.5m

Raychem Breakout Gloves

- Cross linked adhesive lined Polyolefin
- Flame retardant
- The recommended application range is from 20% above the recovered diameter to 20% below the expanded diameter
- The material from which cable breakouts are made contains carbon black to protect it from ultra-violet radiation

Raychem®



Part Number	Number of Cores	Size of Conductor (mm²)	H (mm) As Supplied	H (mm) After Full Shrink	J (mm) As Supplied	J (mm) After Full Shrink	P (mm) After Full Shrink ± 10%	R (mm) After Full Shrink ± 10%	S (mm) After Full Shrink ± 10%	Q (mm) After Full Shrink ± 10%	HW (mm) After Full Shrink ± 20%	JW (mm) After Full Shrink ± 20%
302K333/S	2	4 - 6	28	9.2	15	4.1	90	-	25	15	3.2	1.6
302K224/S	2	35 - 150	48	32	22	7	172	-	70	34	2.0	2.0
302K260/S	2	-	60	20	27	7	-	-	-	-	-	-
302K466/S	2	185 - 300	86	42	40	16	200	-	75	45	2.5	2.5
402W533/S	3	4 - 35	38	13	16	4.2	103	45	28	22	2.7	1.5
402W516/S	3	50 - 150	63	22	26	9	180	85	40	35	3.5	1.5
402W526/S	3	185 - 300	95	28	44	13	205	90	45	42	3.5	2.5
402W248/S	3	-	115	45	52	22	240	100	60	64	4.0	2.5
402W439/S	3	-	170	60	60	30	252	90	66	85	4.2	2.6
502K033/S	4	4 - 35	45	16.5	14	3.4	98	71	25	-	2.5	1.9
502K046/S	4	35 - 70	45	19	20	7	165	75	40	45	3.5	2.0
502K016/S	4	70 - 150	75	25	25	9	217	100	44	50	3.5	2.0
502K026/S	4	185 - 300	100	31	40	13.5	223	103	51	50.4	3.5	2.5

***Ray
tech®***

Raytech - Contents

WONDER GEL
P. **43**



MAGIC GEL
P. **43**



MAGIC POWER GEL
P. **43**



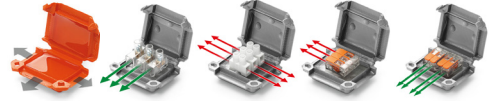
TECHNO GEL GUM
P. **43**



HAPPY JOINT
P. **44**



HAPPY
P. **44**



GEL COVER LINE
P. **44**



LITTLE JOINT
P. **44**



MAGIC JOINT & MAGIC JOINT PLUS
P. **45**



MAGIC JOINT & MAGIC JOINT PLUS
P. **46**



SUPERCLIK
P. **46**



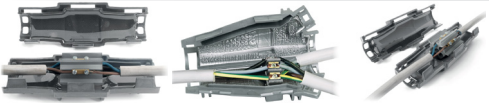
CLIK FIRE
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WONDER JOINT SYSTEM PLUS
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KING JOINT
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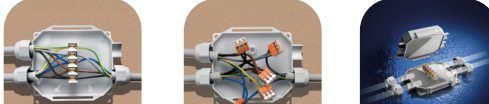
RAPID JOINT IP68
P. **47**



RAPID JOINT
P. **48**



READY BOX IP68
P. **48**



MAGIC BOX
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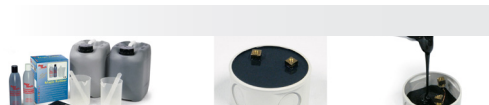
BRAVO
P. **49**



SKY PLAST
P. **49**



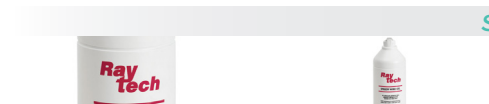
MAGIC RUBBER
P. **49**



SHINY SOLAR
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SPEEDY WIRE GEL
P. **50**



ISOLATED TERMINAL BLOCKS
P. **50**



Raytech - Contents

Wonder Gel

- Single component gel already cross-linked
- Does not expire, even when open (does not harden)
- Self-leveling and self-vulcanizing
- IP68 tested (in proper casings)
- Dielectric strength > 23kV/mm
- Non-toxic and safe

For more information please visit:

<http://raytechgel.com.au/product/wonder-gel/>



Part Number	Colour	Package Type	Pack Qty
WONDER	Light Green	Cartridge with measuring nozzle	280ml
WONDER-INV	Clear	Cartridge with measuring nozzle	280ml

Magic Gel

- 2 part mix with fast cross linking (10 min.)
- Re-enterable even after long working periods
- Mould and UV stabilized
- IP68 tested (in proper casings)
- Dielectric Strength > 23kV/mm
- Non-toxic and safe with no shelf life

For more information please visit:

<http://raytechgel.com.au/product/magic-gel/>



Part Number	Colour	Package Type	Pack Qty
MAGIC-GEL300	Blue	2 bottles	300ml
MAGIC-GEL	Blue	2 bottles -1 small basin - 1 mixing spoon	1000ml
MAGICGEL-2000	Blue	2 bottles -1 small basin - 1 mixing spoon	2000ml
MAGICGEL10	Blue	2 tanks -1 small basin - 1 mixing spoon	10000ml

Magic Power Gel

- Reusable even after long working periods
- Single bottle with dual compartments
- Very sticky and self-amalgamating
- IP68 tested (in proper casings)
- Dielectric strength > 23kV/mm
- Non-toxic and safe with no shelf life

For more information please visit:

<http://raytechgel.com.au/product/magic-power-gel/>



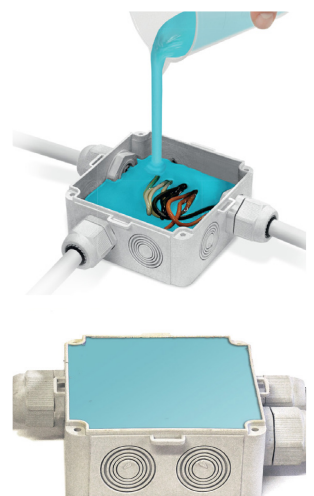
Part Number	Colour	Package Type	Pack Qty
MAGICPOWER-250	Blue	1 single, bicomponent bottle 1 small basin - 1 mixing spoon	250ml
MAGICPOWER-500	Blue	1 single, bicomponent bottle 1 small basin - 1 mixing spoon	500ml
MAGICPOWER-GEL	Blue	1 single, bicomponent bottle	1000ml

Techno Gel Gum

- Resistant to salt and chlorinated water
- Vibration resistant/dampener
- Mount and UV resistant
- Waterproof > 1MPa
- For installations up to 1kV
- Non-toxic and safe with no shelf life

For more information please visit:

<http://raytechgel.com.au/product-category/fillers/gelgum/>



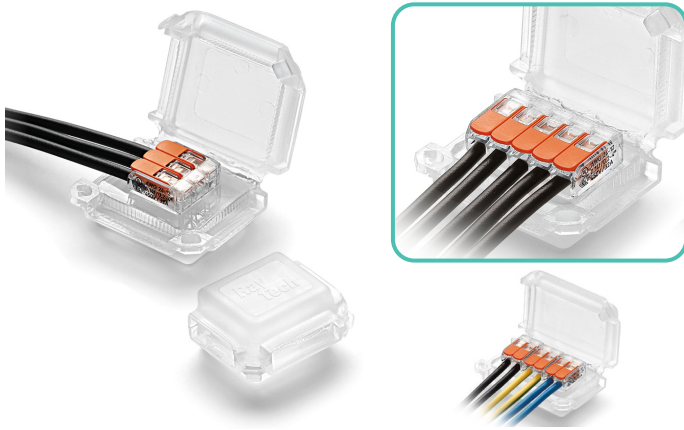
Part Number	Colour	Package Type	Pack Qty
TEGELGUM	Blue	1 single, bicomponent bottle 1 small basin - 1 mixing spoon	500gr

Raytech - Contents

Happy Joint

- Extremely versatile, ready to use & re-enterable
- No need for tools
- For rigid or flexible insulated wires up to 4mm²
- IPX8 Tested & pre-filled with gel
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/happy-joint/>



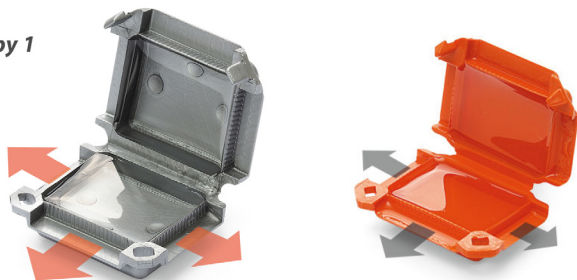
Part Number	Max No. x mm ²	Combination	Pieces per Package	A x B x C (mm)
HAPPYJOINT3	3 x 1 - 4	2 through / 1 branch	4pcs / Blisters	41 x 28 x 19
HAPPYJOINT4	4 x 1 - 4	2 through / In/out	2pcs / Blisters	45 x 37 x 24
HAPPYJOINT5	5 x 1 - 4	2 through / 3 branch	2pcs / Blisters	45 x 37 x 24
HAPPYJOINT6	6 x 1 - 4	3 through / In/out	1pcs / Blisters	53 x 39 x 24

Happy

- Extremely versatile, ready to use & re-enterable
- For rigid or flexible insulated wires up to 4mm²
- IPX8 Tested & pre-filled with gel
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/happy/>

Happy 1



Part Number	Colour	Pieces per Package	A x B x C (mm)
HAPPY0	Orange	x 4	41 x 28 x 19
HAPPY0BOX	Clear	x 12	41 x 28 x 19
HAPPY1	Grey	x 2	45 x 37 x 24
HAPPY1BOX	Clear	x 10	45 x 37 x 24
HAPPY2	Yellow	x 1	53 x 39 x 24
HAPPY2BOX	Clear	x 7	53 x 39 x 24

Raytech

Gel Cover Line

- For Civil and industrial connections
- Also for underwater use
- For rigid or flexible insulated wires up to 4mm²
- IPX8 Tested & pre-filled with gel
- Non-toxic and safe with no shelf life
- UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/gel-cover-line/>

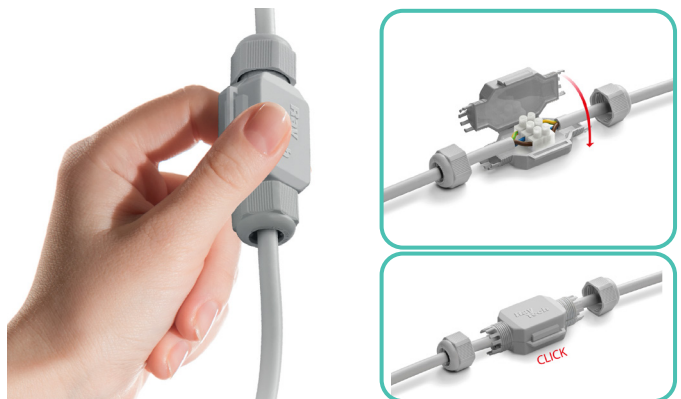


Part Number	Housed Connectors Type	Pieces per Package	Package Type	A x B x C (mm)
OHM	2 from 4mm ²	1	Blister	61 x 35 x 28
OHMP11		11	Box	
BAR	3 from 4 / 6mm ²	1	Blister	61 x 41 x 28
BARP9		9	Box	

Little Joint

- Equipped with cable glands to avoid accidental cable traction
- Complete with screw connectors
- IPX8 Tested & pre-filled with gel
- Non-toxic and safe with no shelf life
- UV Resistant & Halogen Free

For more information please visit:
<http://www.raytech.it/product/low-voltage/little-joint?lang=en>



Part Number	Terminal Strip	Cable Formation (No. x mm ²)	Ø Cable Min-Max (mm)	Pieces / Pack	A x B x C (mm)
BARNEY		2 x 2.5	6 - 10	1pc/Blister	75 x 28 x 19
BARNEYMP				10pc/Multipack	
FRED		3 x 2.5	8 - 13	1pc/Blister	80 x 36 x 23
FREDMP				10pc/Multipack	

Raytech

Raytech - Contents

**Ray
tech**

Magic Joint & Magic Joint Plus

- Joints are insulated with Magic Gel
- Quick Cross linking gel (10 minutes)
- Re-enterable
- For 0.6/1kV extruded cables
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/magic-joint/>


Magic Joint

Magic Joint

Magic Joint Plus Y

Magic Joint Plus T

Magic Joint Plus L

Part Number (For Copper Cables)	(No. x mm ²) Number of Cables 1x	(No. x mm ²) Number of Cables 2x	(No. x mm ²) Number of Cables 3x	(No. x mm ²) Number of Cables 4x	Dimensions A x B (mm)
MAGICJOINT010	2.5 - 50	1.5 - 10	1.5 - 10	1.5 - 10	180 x 50
MAGICJOINT025	16 - 150	4 - 25	4 - 25	4 - 25	215 x 55
MAGICJOINT035	16 - 185	16 - 35	16 - 35	16 - 35	232 x 70
MAGICJOINT050	50 - 300	16 - 50	16 - 50	16 - 50	266 x 72
MAGICJOINT095	120 - 400	25 - 95	25 - 95	25 - 95	330 x 75
MAGICJOINT120	240 - 500	70 - 120	70 - 120	50 - 120	365 x 95
MAGICJOINT240	400 - 1000	120 - 300	120 - 240	120 - 240	510 x 120
(For Aluminum Cables)	Number of Cables 1x	Number of Cables 2x	Number of Cables 3x	Number of Cables 4x	A x B (mm)
MAGICJOINT050	16 - 150	16 - 25	16 - 25	16 - 25	266 x 72
MAGICJOINT120	185 - 400	25 - 95	25 - 95	25 - 95	365 x 95
MAGICJOINT240	400 - 630	95 - 185	95 - 185	95 - 185	510 x 120
MAGICJOINT300	630 - 2000	185 - 300	185 - 300	185 - 300	760 x 180

Magic Joint Y

Part Number (For Copper Cables)	(No. x mm ²) Number of Cables 1x Through	(No. x mm ²) Number of Cables 2x Through	(No. x mm ²) Number of Cables 3x Through	(No. x mm ²) Number of Cables 4x Through	Dimensions A x B (mm)
MAGICJOINTY006	4 - 50	4 - 50	4 - 10	4 - 10	180 x 90
MAGICJOINTY025	50 - 150	50 - 150	10 - 25	10 - 25	220 x 105
MAGICJOINTY095	120 - 400	95 - 240	25 - 95	16 - 50	315 x 115

Magic Joint System Plus L & Y & T

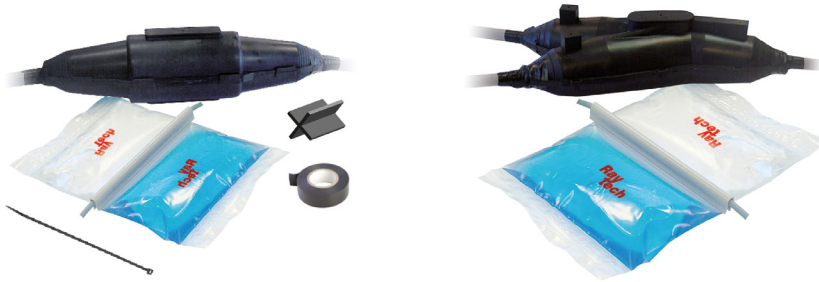
Part Number (L) (For Copper Cables)	(No. x mm ²) Number of Cables 2x		(No. x mm ²) Number of Cables 3x		(No. x mm ²) Number of Cables 4x		(No. x mm ²) Number of Cables 5x		Dimensions A x B (mm)	
MAGICJSPL06	1.5 - 6		1.5 - 6		1.5 - 6		1.5 - 6		180 x 50	
MAGICJSPL16	4 - 16		4 - 16		4 - 16		4 - 16		215 x 55	
MAGICJSPL25	4 - 25		4 - 25		4 - 25		4 - 25		215 x 65	
Part Number (Y) (For Copper Cables)	(No. x mm ²) Number of Cables 2x Through		(No. x mm ²) Number of Cables 3x Through		(No. x mm ²) Number of Cables 4x Through		(No. x mm ²) Number of Cables 5x Through		Dimensions A x B (mm)	
MAGICJSPY06	1.5 - 6	1.5 - 4	1.5 - 6	1.5 - 4	1.5 - 6	1.5 - 4	1.5 - 6	1.5 - 4	180 x 90	
MAGICJSPY16	4 - 16	1.5 - 4	4 - 16	1.5 - 4	4 - 16	1.5 - 4	4 - 16	1.5 - 4	220 x 105	
Part Number (T) (For Copper Cables)	(No. x mm ²) Number of Cables 2x Through		(No. x mm ²) Number of Cables 3x Through		(No. x mm ²) Number of Cables 4x Through		Dimensions A x B (mm)			
MAGICJSPT35	6 - 35	1.5 - 10	1.5 - 6	1.5 - 4	1.5 - 6	1.5 - 4	180 x 90			

Raytech - Contents

Magic Fire Joint

- Flame Retardant
- Joints are insulated with Magic Gel, Quick Cross linking gel (10 minutes)
- Re-enterable
- For 0.6/1kV extruded cables
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/magic-joint-fire/>



Raytech

Part Number (For Copper Cables)	(No. x mm ²) Number of Cables 1x	(No. x mm ²) Number of Cables 2x	(No. x mm ²) Number of Cables 3x	(No. x mm ²) Number of Cables 4x	Dimensions A x B (mm)
MAGICJOINT004FIR	1.5 - 25	1.5 - 4	1.5 - 4	1.5 - 4	160 x 45
MAGICJOINT010FIR	2.5 - 50	1.5 - 10	1.5 - 10	1.5 - 10	180 x 50

SuperClik

- Complete with isolated terminal blocks
- Flame Retardant
- IPX8 Tested & pre-filled with gel
- Non-toxic, no shelf life, UV Resistant & Halogen Free
- For all types of applications, including submersible

For more information please visit:
<http://raytechgel.com.au/product/super-clik/>



Part Number (For Copper Cables)	Straight Connections In Line	Branch Connections Through Branch	Ø Cable Max (mm)	Dims A x B x C (mm)
SUPERCLIK0	3 x 1.5 - 6	3 x 1.5 - 4 3 x 1.5 - 2.5	14	95 x 43 x 28
SUPERCLIK1	2 x 1.5 - 6 3 x 1.5 - 6 4 x 1.5 - 6 5 x 1.5 - 6	2 x 4 2 x 2.5 3 x 4 3 x 2.5 4 x 4 4 x 2.5 5 x 4 5 x 2.5	20.5	150 x 56 x 30
SUPERCLIK2	2 x 4 - 16 3 x 4 - 16 4 x 4 - 16 5 x 4 - 16	2 x 10 2 x 6 3 x 10 3 x 6 4 x 10 4 x 6 5 x 10 5 x 6	30	220 x 85 x 46
SUPERCLIK3	-	2 x 4 - 2 2 x 1.5 - 16 3 x 4 - 2 3 x 1.5 - 16 4 x 4 - 2 4 x 1.5 - 16	30	220 x 85 x 46

Clik Fire

- For 0.6/1kV extruded cables
- No Flame Propagation
- IPX8 Tested & pre-filled with gel
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/850/>



Part Number	Cable formation & conductor cross sections (No. x mm ²)		ø Cable Max (mm)		Dims A x B x C (mm)	
	Through	Branch	Through	Branch		
CLIK0	1x 2.5 - 50 2x 2.5 - 6	1x 1.5-10 2x 1.5	16	10	95 x 43 x 28	
CLIK1	1x 6-95 2x 1.5 - 1.6 3x 1.5 - 10 4x 1.5 - 10	1x 1.5 - 35 2x 1.5 - 6 3x 1.5 - 6 4x 1.5 - 4	20.5	15	150 x 56 x 30	
CLIK2	1x 50 - 185 2x 10 - 35 3x 6 - 35 4x 6 - 35	1x 16 - 185 2x 1.5 - 35 3x 1.5 - 35 4x 1.5 - 16	30	29	220 x 85 x 46	
Part Number	Through	Branch	Through	Branch	Dims	
CLIK2000	1X 2.5 - 25	1X 1.5 - 16	16	10	95 x 43 x 28	
CLIK2001	1x 6 - 95 2x 1.5 - 16 3x 4 - 25 4x 4 -16	1x 1.5 - 70 2x 1.5 - 10 3x 1.5 - 10 4x 1.5 - 6	22.5	18.5	138 x 60 x 37	
CLIK2002	1x 50 - 150 2x 1.5 - 25 3x 4 - 25 4x 4 - 16	1x 1.5 - 70 2x 1.5 - 10 3x 1.5 - 10 4x 1.5 - 6	26	18.5	194 x 74 x 43	
CLIK2003	1x 150 - 240 2x 16 - 50 3x 16 - 50 4x 16 - 50	1x 50 - 120 2x 10 - 25 3x 10 - 25 4x 6 - 16	36	26	290 x 105 x 51	

Raytech - Contents

Wonder Joint System Plus

- Joints insulated with Wonder Fluid, single component gel
- Clean installation, re-enterable and inspect-able
- For 0.6/1kV extruded cables
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:

<http://www.raytech.it/product/low-voltage/wonder-joint-system-plus?lang=en>

**Ray
tech**



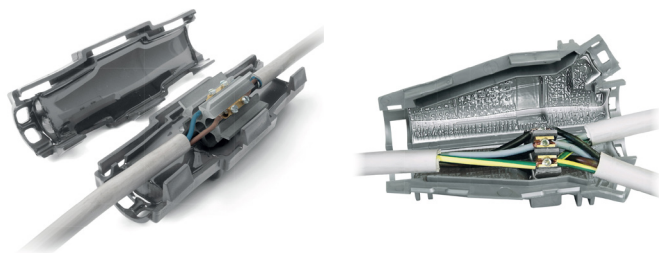
Part Number (For Copper Cables)	(No. x mm ²) Number of Cables 2x Through Branch	(No. x mm ²) Number of Cables 3x Through Branch	(No. x mm ²) Number of Cables 4x Through Branch	(No. x mm ²) Number of Cables 5x Through Branch	Dimensions A x B (mm)	STRAIGHT 'L' A B	BRANCH 'Y' A B
WONDERJSPL06	1.5 - 6	1.5 - 6	1.5 - 6	1.5 - 6	180 x 50		
WONDERJSPL25	4 - 25	4 - 25	4 - 25	4 - 25	215 x 55		
WONDERJSPY06	1.5 - 6	1.5 - 4	1.5 - 6	1.5 - 4	180 x 90		
WONDERJSPY25	4 - 16	1.5 - 4	4 - 16	1.5 - 4	220 x 105		

King Joint

- For Multicore Cable up to 5 core
- Flame Retardant
- Pre-filled with Gel & Re-enterable
- Complete with screw connections
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:

<http://raytechgel.com.au/product/king-joint/>



Straight (L) Part Number	Line Connections (No. x mm ²)	ø Cable Max (mm)	Dims A x B x C (mm)	
RAYKJOINTL06	2 x 1.5 - 6 3 x 1.5 - 6 4 x 1.5 - 6 5 x 1.5 - 6	20.5	105 x 55 x 55	
RAYKJOINTL10	2 x 2.5 - 10 3 x 2.5 - 10 4 x 2.5 - 10 5 x 2.5 - 10	24	180 x 60 x 60	
RAYKJOINTL25	2 x 4 - 25 3 x 4 - 25 4 x 4 - 25 5 x 4 - 25	31	210 x 65 x 65	
Branch (Y) Part Number	Line Connections (No. x mm ²) Through Branch	ø Cable Max (mm)	Dims A x B x C (mm)	
KINGJ-Y06	2 x 1.5 - 6 3 x 1.5 - 6 4 x 1.5 - 6 5 x 1.5 - 6	Through: 22.5 Branch: 18.5	138 x 60 x 37	
KINGJ-Y16	2 x 4 - 16 3 x 4 - 16 4 x 4 - 16 5 x 4 - 16	Through: 26 Branch: 18.5	194 x 74 x 43	

**Ray
tech**

Rapid Joint IP68

- For straight connections (in line)
- For multi core cables of up to 5 core
- Pre-filled with Gel & Re-enterable only with a tool
- IP68 & IPX8 Formations
- Non-toxic, no shelf life, UV Resistant & Halogen Free



For more information on cable formation & configurations please visit:

<http://raytechgel.com.au/product/rapid-joint-ip68/>

**Ray
tech**

Part Number	Section (mm ²)	ø Cable (mm)	Dims A x B x C (mm)	
RAPIDJIP68-L1	IP68: 1.5 - 25 IPX8: 1.5 - 50	IP68: 8 - 13 IPX8: 20.5	IP68: 155 x 55 IPX8: 105 x 55	
RAPIDJIP68-L6	IP68: 1.5 - 70 IPX8: 2.5 - 150	IP68: 12 - 18 IPX8: 24	IP68: 245 x 60 IPX8: 180 x 60	
RAPIDJIP68-L10	IP68: 4 - 95 IPX8: 4 - 240	IP68: 16 - 20 IPX8: 31	IP68: 275 x 65 IPX8: 210 x 65	
RAPIDJIP68-L25	IP68: 25 - 240 IPX8: 10 - 240	IP68: 21 - 28 IPX8: 31	IP68: 410 x 100 IPX8: 320 x 100	

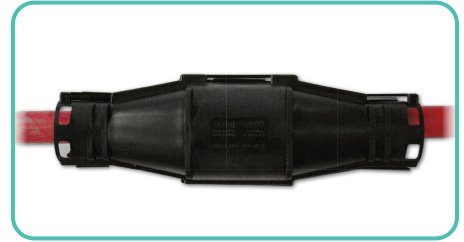
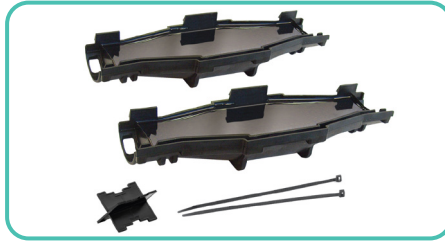
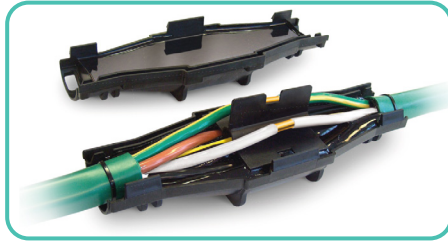
Raytech - Contents

Rapid Joint

- Joints insulated with Wonder Fluid, single component gel
- Clean installation, re-enterable and inspect-able
- For 0.6/1kV extruded cables
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/rapid-joint/>

**Ray
tech**



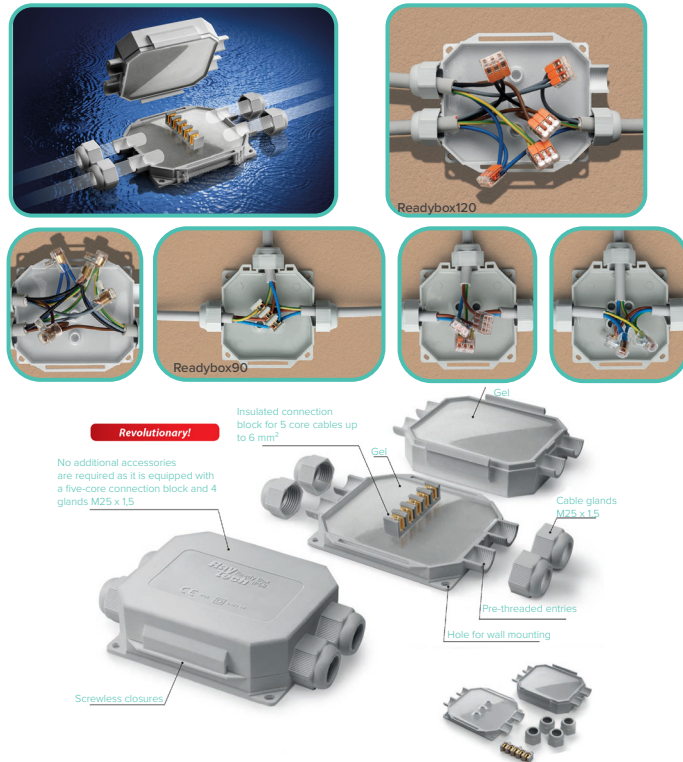
Part Number (For Copper Cables)	(No. x mm ²) Number of Cables 1x	(No. x mm ²) Number of Cables 2x	(No. x mm ²) Number of Cables 3x	(No. x mm ²) Number of Cables 4x	With Optical Fiber Separator 4x	Dimension A x B (mm)
RAPIDJOINT-L6	1.5 - 50	1.5 - 10	1.5 - 10	1.5 - 6	-	105 x 55
RAPIDJOINT-L10	2.5 - 150	2.5 - 25	2.5 - 16	2.5 - 16	-	180 x 60
RAPIDJOINT-L25	120 - 240	6 - 50	6 - 35	4 - 35	-	210 x 65
RAPIDJOINT-L95	185 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100

Ready Box IP68

- Ready to use, pre-filled with gel
- Pre-threaded entries for cable gland mounting
- IPX8 Tested
- Non-toxic, no shelf life, UV Resistant & Halogen Free
- Snap shut closure, does not require screws

**Ray
tech**

For more information please visit:
<http://raytechgel.com.au/product/ready-box-ip68/>



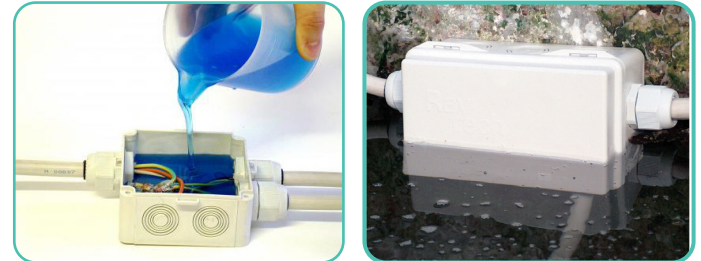
Part Number	Colour	No. of Entrances	Min Entrance Size (mm)	Max Entrance Size (mm)	Dims A x B x C (mm)
READYBOX90	Grey	3	6	18	90x90x45
READYBOX	Grey	4	6	18	120x100x45

Magic Box

- For Multi core Cable up to 5 core
- IP68 Tested
- Re-enterable
- Complete with glands
- Non-toxic, no shelf life, UV Resistant & Halogen Free

**Ray
tech**

For more information please visit:
<http://raytechgel.com.au/product/king-joint/>



Part Number	Max External ø Housed In Input Cables (mm)	NO. and Type Of Cable Glands	Dims A x B x C (mm)
MAGICBOX65	22	3 x PG16	65 x 65 x 35
MAGICBOX80	22	3 x PG16	80 x 80 x 40
MAGICBOX100	20	3 x M25 x 1.5	100 x 100 x 50
MAGICBOX120	20	3 x M25 x 1.5	120 x 80 x 50
MAGICBOX150	26	3 x M25 x 1.5	150 x 110 x 70
MAGICBOX190	26	3 x M25 x 1.5	190 x 140 x 70
MAGICBOX240	26	3 x M25 x 1.5	240 x 190 x 90

Raytech - Contents

Bravo System

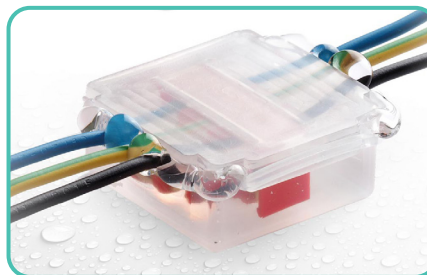
- Ready to use, quick & re-enterable
- For rigid or flexible insulated wires from 1 to 6mm²
- For 1 or 3 core connections
- Non-toxic, no shelf life, UV Resistant & Halogen Free

For more information please visit:
<http://raytechgel.com.au/product/bravo-mini-bravo/>

**Ray
Tech**

**Mini
Bravo 1**

**Mini
Bravo 3**



Part Number	Straight or Through (No. x mm ²)	Branch (No. x mm ²)	Pieces For Package	Dimensions A x B (mm)	
BRAVO1-6	1 x 1 - 6	1 x 1 - 6	1pcs / Blister	50 x 29 x 22	
BRAVO3-6	2 x 1 - 6 3 x 1 - 6	2 x 1 - 6 3 x 1 - 6	1pcs / Blister	53 x 49 x 22	
MINIBRAVO1	1 x 1 - 4	1 x 1 - 4	3pcs / Blister	41 x 28 x 19	
MINIBRAVO2	2 x 1 - 4	2 x 1 - 4	1pcs / Blister	45 x 28 x 24	
MINIBRAVO3	3 x 1 - 4	3 x 1 - 4	1pcs / Blister	53 x 39 x 24	

Magic Rubber

- For Installation up to 1kV
- Ideal also for casts and moulds
- Non toxic and safe
- Low smoke and toxic and corrosive gases emission
- No shelf life

For more information please visit:
<http://raytechgel.com.au/product/magic-rubber/>

**Ray
Tech**



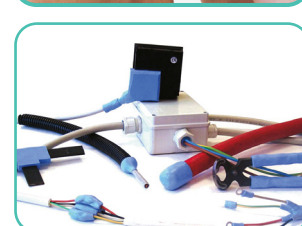
Part Number	Colour	Package Type	Pack Qty
MAGIC-RUBBER	Black	2 bicomponent bottles 1 measuring cup - 1 mixing palette	500gr
RUBBERFLUID200	Black	Bicomponent single dose bags	200gr

Sky Plast

- Mouldable, non-toxic and safe paste
- Flexible and Elastic
- Quickly Ready for use
- Low smoke and toxic and corrosive gases emission
- Able to replace taping, heat-shrinking, resin finishes

For more information please visit:
<http://raytechgel.com.au/product/sky-plast/>

**Ray
Tech**



Part Number	Colour	Package Type	Pack Qty
SKYPLAST250	Light Blue	2 bi component cans	250gr

Raytech - Contents

Shiny Solar

- Solution for solar and photo-voltaic panel maintenance
- For easy removal of grease, limestone and crystallized deposits, dust, smog, excrement ect
- Contains anti-static protection
- Supplied in a professional sprayer
- Non-toxic and safe with no shelf life

For more information please visit:
<http://raytechgel.com.au/product/shiny-solar/>



Part Number	Efficiency (kW / Surfaces Treated per Package Power in kW Surfaces (m ²))	Pack Qty
SHINYSOLAR	10 - 15	80 - 120
		280ml

Speedy Wire Gel

- Lubricant for threading any kind of cable, power, telecom and optical fibre ducts, smooth or corrugated piping, ect.
- Thanks to its consistency, allows for savings of up to 3 times the amount used compared to other solutions

For more information please visit:
<http://raytechgel.com.au/product/speedy-wire/>



Part Number	Package	Appearance	PH	Density
SPEEDY-WIRE-GEL	1 L Bottle	Milky Liquid	6 - 8	About 1



Isolated Terminal Blocks

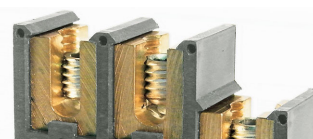


Head to Head Terminals Blocks



Part Number	Permitted Cross Sections (mm ²)	Diameter	Length
MORSETTIERAL16	Up to 16	31	24
MORSETTIERAL25	Up to 25	34	39

5 Conductor Junction Terminal Blocks



Part Number	Through (mm ²)	Branch (mm ²)	Width	Height	Depth
MORSETTIERAY6	1.5 - 6	1.5 - 4	36	28	13
MORSETTIERAY16	4 - 16	1.5 - 4	45	36	16

4 Conductor Junction Terminals Blocks



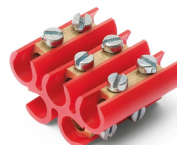
Part Number	Through (mm ²)	Branch (mm ²)	Width	Height	Depth
MORSETTIERAT	10 - 35	1.5 - 6	50	36	24

1, 2 or 3 Conductor Terminal Blocks (Head to Head or Junction to 6mm²)



Part Number	Through (mm ²)	Branch (mm ²)	Width	Height	Depth
MORSETTIERAB1	1 x 1.5 - 6	1 x 1.5 - 6	17	15	14
MORSETTIERAB2	2 x 1.5 - 6	2 x 1.5 - 6	29	15	14
MORSETTIERAB3	3 x 1.5 - 6	3 x 1.5 - 6	40	15	22

5 Conductor Terminal Blocks (Head to Head or Junction)



Part Number	Straight (mm ²)	Through (mm ²)	Branch (mm ²)	Width	Height	Depth
MORSETTIERA5-6	1.5 - 6	4	2.5	31	18	25.5
MORSETTIERA5-16	4 - 16	10	6	38.5	23	28.5

3 Conductor Terminal Blocks (Head to Head or Junction)



Part Number	Straight (mm ²)	Through (mm ²)	Branch (mm ²)	Width	Height	Depth
MORSETTIERA3-5	1.5 - 6	4	2.5	20	18	25.5

Cable - Contents

TYREE SINGLE CORE AUTOMOTIVE CABLE



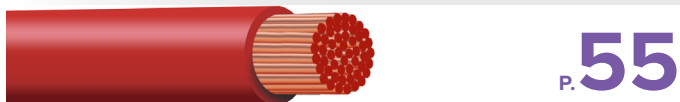
P. **53**

TYREE TWIN SHEATH AUTOMOTIVE CABLE



P. **54**

TYREE BATTERY & STARTER AUTOMOTIVE CABLE



P. **55**

BATTERY & STARTER TWIN SHEATH AUTOMOTIVE CABLE



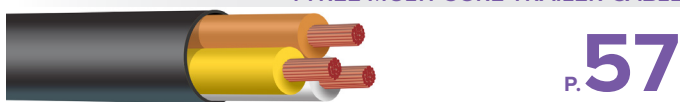
P. **56**

TYREE ROAD TRAIN - ADR 63 AUTOMOTIVE CABLE



P. **56**

TYREE MULTI CORE TRAILER CABLE



P. **57**

TYREE DOUBLE INSULATED SINGLE CORE CABLE



P. **58**

TYREE SINGLE CORE FLEXIBLE 0.6/1KV CABLE



P. **59**

TYREE HOOKUP WIRE CABLE



P. **60**

MULTI CORE ORDINARY & HEAVY DUTY FLEXIBLE CABLE



P. **61**

TYREE MULTI CORE SECURITY CABLE



P. **62**

TYREE FIGURE 8 PARALLEL WEBBED CABLE



P. **62**

TYREE SCREENED MULTI CORE RS232 CABLE



P. **63**

TYREE TWO PAIR INDIVIDUAL SCREEN CABLE



P. **63**

TYREE MULTI PAIR OVERALL SCREENED CABLE



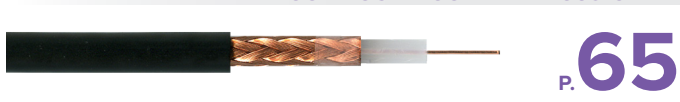
P. **64**

TYREE CO AXIAL CABLE RG6 QUAD SHIELD CABLE



P. **64**

TYREE COMPOSITE CO AXIAL RG59 CABLE



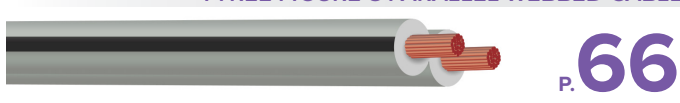
P. **65**

TYREE CAT6 CABLE



P. **65**

TYREE FIGURE 8 PARALLEL WEBBED CABLE



P. **66**

TYREE CAT5E CABLE



P. **66**

TYREE TYSONIC HOME THEATRE CABLE



P. **66**

TYREE SINGLE CORE V90HT BUILDING CABLE



P. **67**

TYREE FLEXIBLE SINGLE CORE V90HT 0.6/1KV CABLE



P. **68**

TYREE FLEXIBLE DOUBLE INSULATED V90HT 0.6/1KV CABLE



P. **68**

TYREE SINGLE CORE IRRIGATION CABLE



P. **69**

TYREE MAXI CABLE 2 CORE FLAT IRRIGATION CABLE



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TYREE MULTI CORE IRRIGATION CABLE



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**CONTENTS CONTINUED NEXT
PAGE --->**

Cable - Contents Continued

TYREE EXTRA LOW VOLTAGE SINGLE CORE MARINE CABLE



P. **71**

TYREE TWIN SHEATH MARINE CABLE



P. **71**

TYREE BATTERY & STARTER MARINE CABLE



P. **72**

TYREE BATTERY & STARTER TWIN SHEATH MARINE CABLE



P. **72**

TYREE FIGURE 8 TINNED COPPER MARINE CABLE



P. **73**

TYREE TRAILER TINNED MARINE CABLE



P. **73**

KEY SINGLE CORE SILICONE CABLE



P. **74**

BETATHERM SINGLE CORE CABLE



P. **75**

SILTHERM SINGLE CORE HIGH TEMPERATURE CABLE



P. **76**



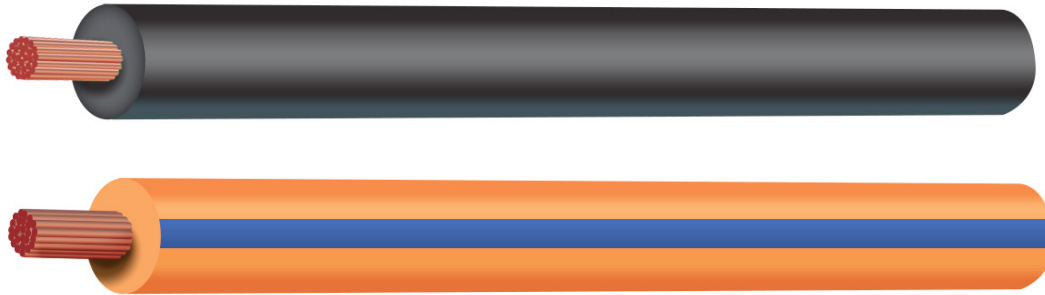
Tycab Australia have changed their name to Tyree Cable.
Still the same quality Australian made cable.

Cable Automotive

Single Core Automotive Cable

- General Purpose Automotive Wiring
- Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- Sheath:** V90 PVC Insulated to AS/NZS 3808

TYREE
CABLE



Automotive Cable Colour Key			
Blue (BL)	Yellow (Y)	White (W)	Orange (OR)
Green (G)	Pink (PK)(P)(PNK)	Brown (BR)(BRN)(N)	Purple (PUR)(PU)(PPL)
Black (BK)(B)	Red (R)	Grey (GRY)(GR)	Green/Yellow(GY)

Part Number example: **CAA-ECA3-100BK** *Please note do not include below '()' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Single Colours	Available Trace Colours	Roll Size	Industry Equivalent (mm)	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Nominal O.D (mm)
CAA-ECA3-30(Colour abbreviation)	ASC11603-(Colour abbreviation)-30	(BK) (BL) (BR) (G) (GRY) (OR) (PK) (PUR) (Y) (R) (W)	(BK/G) (BK/P) (BK/R) (BK/W) (BK/Y) (G/R) (G/W) (GY) (BL/R) (BL/W) (BR/R) (BR/W) (R/BK) (R/BL) (R/W) (R/Y) (W/G) (W/BL) (W/BRN) (Y/BL) (Y/R)	30m	3	14/0.32	1.13	20	0.4	2.2
CAA-ECA3-100(Colour abbreviation)	ASC11603-(Colour abbreviation)-100	(BK) (BL) (BR) (G) (GRY) (OR) (PK) (PUR) (Y) (R) (W)	(BK/G) (BK/P) (BK/R) (BK/W) (BK/Y) (G/R) (G/W) (G/BK) (GY) (BL/R) (BL/W) (BR/R) (BR/W) (R/BK) (R/BL) (R/W) (R/Y) (W/G) (W/BL) (W/BRN) (Y/BL) (Y/R) (OR/B) (OR/W) (PU/W) (W/OR) (Y/BK)	100m	3	14/0.32	1.13	20	0.4	2.2
CAA-ECA4-30(Colour abbreviation)	ASC12603-(Colour abbreviation)-30	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	(BK/G) (BK/W) (BK/Y) (G/R) (G/W) (BL/W) (BR/W) (O/BL) (R/BK) (R/BL) (R/W) (W/BRN) (Y/BL)	30m	4	23/0.32	1.84	28	0.4	2.6
CAA-ECA4-100(Colour abbreviation)	ASC12603-(Colour abbreviation)-100	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	(BK/G) (BK/W) (BK/Y) (G/R) (G/W) (BL/W) (BR/W) (O/BL) (R/BK) (R/BL) (R/W) (W/BRN) (Y/BL)	100m	4	23/0.32	1.84	28	0.4	2.6
CAA-ECA5-30(Colour abbreviation)	ASC14103-(Colour abbreviation)-30	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	-	30m	5	36/0.32	2.9	37	0.4	3.0
CAA-ECA5-100(Colour abbreviation)	ASC14103-(Colour abbreviation)-100	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	-	100m	5	36/0.32	2.9	37	0.4	3.0
CAA-ECA6-30(Colour abbreviation)	ASC16503-(Colour abbreviation)-30	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	-	30m	6	57/0.32	4.59	48	0.6	4.0
CAA-ECA6-100(Colour abbreviation)	ASC16503-(Colour abbreviation)-100	(BK) (BL) (BR) (G) (GRY) (OR) (PNK) (PPL) (Y) (R) (W)	-	100m	6	57/0.32	4.59	48	0.6	4.0

*Other sizes available on request

Cable Automotive

Twin Sheath Two Core Flat Automotive Cable

- General Purpose Trailer Wiring
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Core Colours:** Red, Black *Core Colour: Brown, White

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Industry Equivalent (mm)	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAA-ECA221-30	AWC27032-BK-30	30m	2	7/0.32	0.56	10	0.4	0.6	3.1 x 4.9
CAA-ECA221-100	AWC27032-BK-100	100m							
CAA-ECA321-30	AWC21603-BK-30	30m	3	14/0.32	1.13	16	0.4	0.6	3.3 x 5.5
CAA-ECA321-100	AWC21603-BK-100	100m							
CAA-ECA321-500	AWC21603-BK-500	500m							
CAA-ECA321-100BW*	AWC2DDA-BK-100*	100m							
CAA-ECA321-500BW*	AWC2DDA-BK-500*	500m	4	23/0.32	1.84	22	0.4	0.6	3.8 x 6.3
CAA-ECA421-30	AWC22603-BK-30	30m							
CAA-ECA421-100	AWC22603-BK-100	100m							
CAA-ECA421-500	AWC22603-BK-500	500m	5	36/0.32	2.90	29	0.4	0.7	4.5 x 7.4
CAA-ECA521-30	AWC24103-BK-30	30m							
CAA-ECA521-100	AWC24103-BK-100	100m							
CAA-ECA521-500	AWC24103-BK-500	500m	6	57/0.32	4.59	38	0.6	0.8	5.7 x 9.6
CAA-ECA621-30	AWC26503-BK-30	30m							
CAA-ECA621-100	AWC26503-BK-100	100m							
CAA-ECA621-500	AWC26503-BK-500	500m							

Figure 8 Parallel Webbed Speaker Cable

- Hook-up, Speaker Connection
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Colours:** Red with a Black stripe

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Industry Equivalent (mm)	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Nominal O.D (mm)	Roll Size
CAA-ECA32-100RB	AFC21603-RDBK-100	3	14/0.32	1.13	16	0.6	2.6 x 5.9	100m
CAA-ECA42-100RB	AFC22603-RDBK-100	4	23/0.32	1.84	22	0.6	3.1 x 6.7	100m

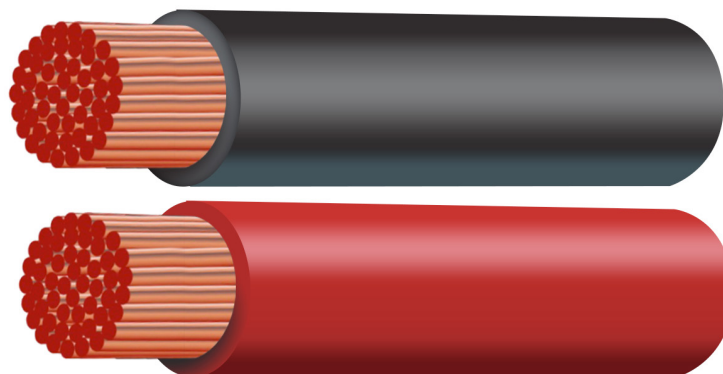
Other sizes available on request

Cable Automotive

Battery & Starter Automotive Cable

- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Sheath:** V90 PVC Insulated to AS/NZS 3808
- **Outer Sheath Colours:** Red or Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Nearest B & S	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Nominal O.D (mm)
CAA-EBS8-30BK	ABC111203-BK-30	Black	30m	8	96/0.32	7.71	74	0.9	5.5
CAA-EBS8-100BK	ABC111203-BK-100	Black	100m						
CAA-EBS8-30R	ABC111203-RD-30	Red	30m						
CAA-EBS8-100RD	ABC111203-RD-100	Red	100m						
CAA-EBS6-30BK	ABC119203-BK-30	Black	30m	6	168/0.32	13.5	103	1.1	7.2
CAA-EBS6-100BK	ABC119203-BK-100	Black	100m						
CAA-EBS6-30R	ABC119203-RD-30	Red	30m						
CAA-EBS6-100R	ABC119203-RD-100	Red	100m						
CAA-EBS4-30BK	ABC128703-BK-30	Black	30m	4	252/0.32	20.26	135	1.1	8.3
CAA-EBS4-100BK	ABC128703-BK-100	Black	100m						
CAA-EBS4-30R	ABC128703-RD-30	Red	30m						
CAA-EBS4-100R	ABC128703-RD-100	Red	100m						
CAA-EBS3-30BK	ABC136403-BK-30	Black	30m	3	329/0.32	26.45	168	1.6	10.2
CAA-EBS3-100BK	ABC136403-BK-100	Black	100m						
CAA-EBS3-30R	ABC136403-RD-30	Red	30m						
CAA-EBS3-100R	ABC136403-RD-100	Red	100m						
CAA-EBS2-30BK	ABC145503-BK-30	Black	30m	2	399/0.32	32.07	188	1.7	11.3
CAA-EBS2-100BK	ABC145503-BK-30	Black	100m						
CAA-EBS2-30R	ABC145503-RD-30	Red	30m						
CAA-EBS2-100R	ABC145503-RD-30	Red	100m						
CAA-EBS1-30BK	ABC1492032-BK-30	Black	30m	1	492/0.32	39.55	110	1.7	12.1
CAA-EBS1-100BK	ABC1492032-BK-100	Black	100m						
CAA-EBS1-30R	ABC1492032-RD-30	Red	30m						
CAA-EBS0-30BK	ABC1612032-BK-30	Black	30m	0	608/0.32	49	246	1.7	12.7
CAA-EBS0-30R	ABC1612032-RD-30	Red	30m						
CAA-EBS00-30BK	ABC191003-BK-30	Black	30m	00	798/0.32	64.15	292	1.7	14.5
CAA-EBS00-30R	ABC191003-RD-30	Red	30m						
CAA-EBS000-30BK	ABC1120403-BK-30	Black	30m	000	1035/0.32	83.19	335	2.0	16.4
CAA-EBS000-30RD	ABC1120403-RD-30	Red	30m						

*Other sizes available on request

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Cable Automotive

Battery & Starter Twin Sheath Automotive Cable

- Battery Feeds, Charges, Winches, Power & Solar Generators
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Core Colours:** Red, Black

TYREE
CABLE

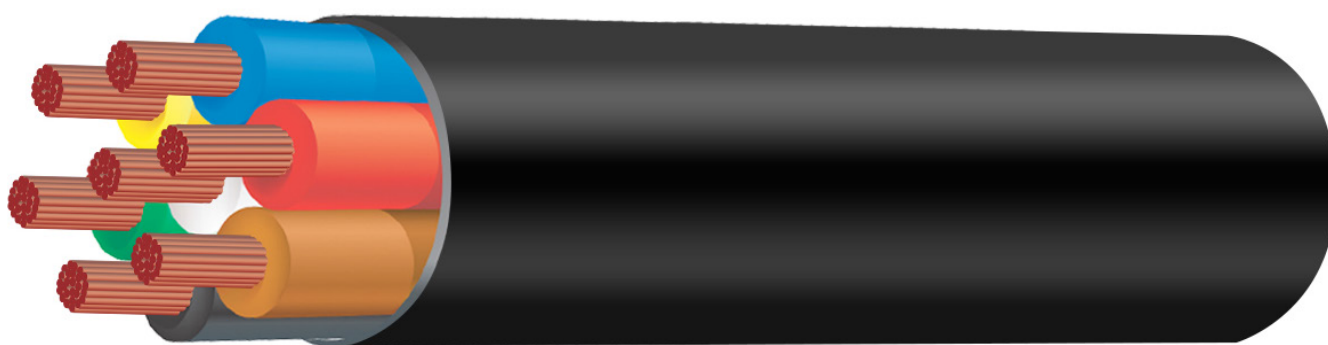


Engineering Supplies Part Number	Tyree Part Number	Roll Size	Nearest B & S	No. Of Cores	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAA-EBS821-50	AWC296032-BKRD-50	50m	8	2	96/0.32	7.71	59.2	0.9	0.8	7.1x12.5
CAA-EBS821-100	AWC296032-BKRD-100	100m								
CAA-EBS621-50	AWC2168032-BKRD-50	50m	6	2	168/0.32	13.5	82.4	1.1	0.8	8.8x16.0
CAA-EBS621-100	AWC2168032-BKRD-100	100m								

Road Train - ADR 63 Automotive Cable

- Road Train Wiring - Road Train SPEC ADR 63
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Core Colours:** 5 core: White, Yellow, Brown, Red, Green; 7 core: White, Yellow, Brown, Red, Green, Black, Blue

TYREE
CABLE



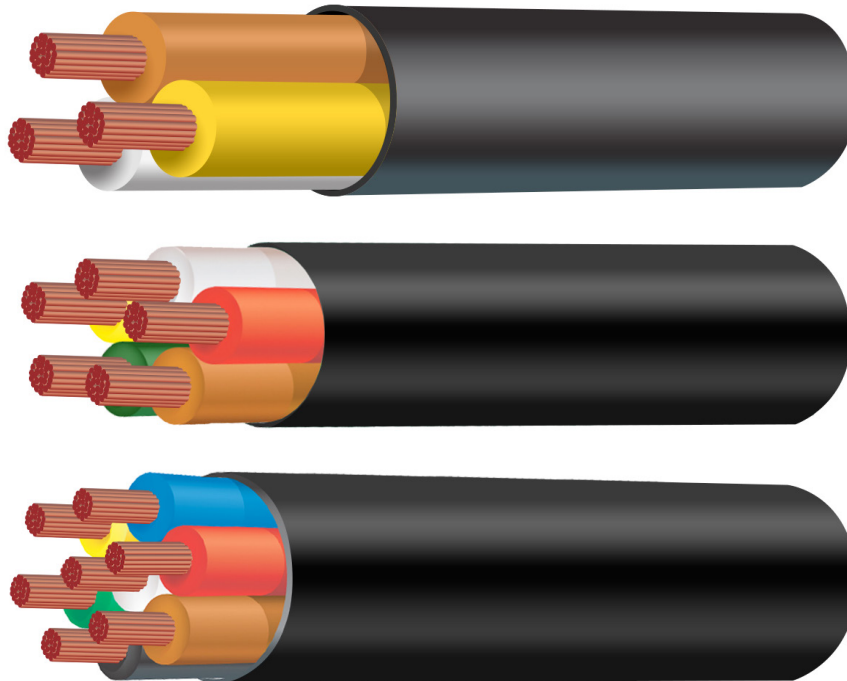
Engineering Supplies Part Number	Tyree Part Number	Roll Size	AWG Size	No. Of Cores	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAA-ECA65-30	ATH565032-BK-30	30m	10	5	65/0.32	5.22	30	0.6	1.5	14.7
CAA-ECA65-100	ATH565032-BK-100	100m								
CAA-ECA67-30	ATH765032-BK-30	30m	10	7	65/0.32	5.22	28	0.6	1.5	16.5
CAA-ECA67-100	ATH765032-BK-100	100m								

Cable Automotive

Multi - Core Trailer Automotive Cable

- Caravan and Trailer Wiring
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Sheath Colour:** Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	No. Of Cores	Industry Equivalent (mm)	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAA-ECA33-30	ATC31603-BK-30	30m	3	3	14/0.32	1.13	14	0.4	0.6	5.7
CAA-ECA33-100	ATC31603-BK-100	100m								
CAA-ECA25-30	ATC57032-BK-30	30m	5	2	7/0.32	0.56	7	0.4	0.6	6.0
CAA-ECA25-100	ATC57032-BK-100	100m								
CAA-ECA25-500	ATC57032-BK-500	500m								
CAA-ECA2.55-30B	ATC5903-BK-30	30m	5	2.5	8/0.32	0.64	8	0.4	0.6	6.7
CAA-ECA2.55-100B	ATC5903-BK-100	100m								
CAA-ECA2.55-500B	ATC5903-BK-500	500m								
CAA-ECA35-30	ATC51603-BK-30	30m	5	3	14/0.32	1.13	11	0.4	0.6	7.1
CAA-ECA35-100	ATC51603-BK-100	100m								
CAA-ECA35-500	ATC51603-BK-500	500m								
CAA-ECA45-30	ATC52603-BK-30	30m	5	4	23/0.32	1.84	15	0.4	0.6	8.2
CAA-ECA45-100	ATC52603-BK-100	100m								
CAA-ECA27-30	ATC77032-BK-30	30m	7	2	7/0.32	0.56	5	0.4	0.6	6.7
CAA-ECA27-100	ATC77032-BK-100	100m								
CAA-ECA2.57-30	ATC7903-BK-30	30m	7	2.5	8/0.32	0.64	6	0.4	0.6	7.3
CAA-ECA2.57-100	ATC7903-BK-100	100m								
CAA-ECA37-30	ATC71603-BK-30	30m	7	3	14/0.32	1.13	10	0.4	0.6	7.7
CAA-ECA37-100	ATC71603-BK-100	100m								
CAA-ECA47-30	ATC72603-BK-30	30m	7	4	23/0.32	1.84	14	0.4	0.6	8.9
CAA-ECA47-100	ATC72603-BK-100	100m								

Other sizes available on request

Email sales@engsup.com.au

Call +61 8 9258 8444

www.engineeringsupplies.com.au

Cable Automotive

Double Insulated Single Core Cable

- Gas Conversions
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** V90 PVC Insulated to AS/NZS 3808
- **Core Colour:** Red
- **Sheath Colour:** Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Industry Equivalent (mm)	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAA-ECA31-30	ADC11603-BK-30	30m	3	14/0.32	1.13	20	0.4	0.8	3.8
CAA-ECA31-100	ADC11603-BK-100	100m							
CAA-ECA41-30	ADC12603-BK-30	30m	4	23/0.32	1.84	28	0.4	0.8	4.2
CAA-ECA41-100	ADC12603-BK-100	100m							
CAA-ECA61-30	ADC16503-BK-30	30m	6	57/0.32	4.59	48	0.6	0.8	5.7
CAA-ECA61-100	ADC16503-BK-100	100m							

Utilux Stripping Tool UTILUX

Part Number: UT#106



Cable Flexible

Single Core Flexible 0.6/1KV Cable

- For Electrical Interconnections
- Conductor:** Tinned Copper Wire
- Sheath:** RoHS Compliant V90HT (105) PVC AS3808

TYREE
CABLE



Flexible Cable Colour Key			
Blue (BL)(L)	Yellow (Y)(YW)	White (W)	Orange (O)(OR)
Green (G)	Pink (PK)(PNK)	Brown (BR)(N)	Purple (V)(VL)
Black (BK)(B)	Red (R)	Grey (GRY)(SY)	Green/Yellow(GY)

Part Number example: **CAF-F1010VT1R** *Please note do not include below '()' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating	Insulation Thickness (mm)	Nominal O.D (mm)
CAF-F1005VT1(Colour abbreviation)	FVK11602-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PK) (BR) (V) (BK) (R) (GRY) (GY)	100m	16/0.20	0.5	3	0.8	2.6
CAF-F1075VT1(Colour abbreviation)	FVK12402-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PNK) (BR) (V) (BK) (R) (GRY) (GY)	100m	24/0.20	0.75	7.5	0.8	2.8
CAF-F1075VT1K(Colour abbreviation)	FVK12402-(Colour abbreviation)-1000	(BL) (W) (O) (BK) (R)	1000m					
CAF-F1010VT1(Colour abbreviation)	FVK13202-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PK) (BR) (V) (BK) (R) (GRY) (GY)	100m	32/0.20	1.0	10	0.8	3
CAF-F1015VT1(Colour abbreviation)	FVK130025-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PK) (BR) (V) (BK) (R) (GRY) (GY)	100m	30/0.25	1.5	15	0.8	3.15
CAF-F1025VT1(Colour abbreviation)	FVK150025-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PK) (BR) (V) (BK) (R) (GRY) (GY)	100m	50/0.25	2.5	20	0.9	3.8
CAF-F1040VT1(Colour abbreviation)	FVK15603-(Colour abbreviation)-100	(BL) (Y) (W) (O) (G) (PK) (BR) (V) (BK) (R) (GRY) (GY)	100m	56/0.30	4.0	25	1.0	4.75
CAF-F1060VT1 (Colour abbreviation)	FVK18403-(Colour abbreviation)-100	(BL) (W) (BK) (R) (GRY) (GY)	100m	84/0.30	6.0	49	1.0	5.3

Single Core Flexible 250/440 Volt Flexible to AS3191

- For Wiring of Communications, Electrical Equipment and Switchboards
- Conductor:** Tinned Copper Wire
- Sheath:** RoHS Compliant V90HT (105) PVC AS3808

TYREE
CABLE



Part Number example: **CAF-VT11602BL100** *Please note do not include below '()' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Nominal O.D (mm)
CAF-VT11602(Colour abbreviation)100	FVT11602-(Colour abbreviation)-100	(BL) (YW) (W) (OR) (G) (N) (VL) (BK) (R) (SY) (GY)	100m	16/0.20	0.5	3	0.6	2.2
CAF-VT12402(Colour abbreviation)100	FVT12402-(Colour abbreviation)-100	(L) (Y) (W) (OR) (G) (N) (V) (B) (R) (SY) (GY)	100m	24/0.20	0.75	7.5	0.6	2.4

*Other sizes available on request

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Cable Flexible

Hookup Wire Extra Low Voltage Cable

- For Electrical Interconnections
- **Conductor:** Tinned Copper Wire
- **Sheath:** RoHS Compliant V90HT (105) PVC AS3808

TYREE
CABLE



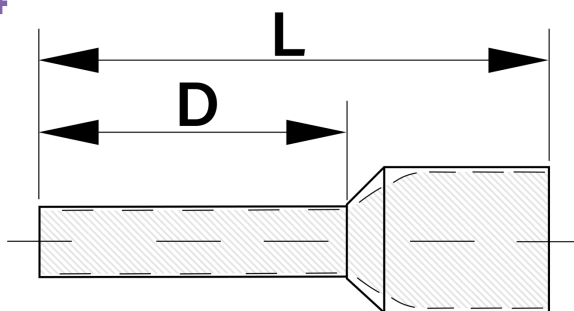
Hookup Wire Cable Colour Key			
Blue (BL)(L)	Yellow (Y)(YW)	White (W)	Orange (O)(OR)
Green (G)	Pink (PK)(PNK)	Brown (BR)(N)	Purple (V)(VL)
Black (BK)(B)	Red (R)	Grey (GRY)(SY) (S)	Green/Yellow(GY)

Part Number example: CAF-HVT1702B100 *Please note do not include below 'Q' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)
CAF-HVT1702(Colour abbreviation)100	HVT1702-(Colour abbreviation)-100	(B) (N) (O) (P) (S) (V) (W)	100m	7/.020	0.22
CAF-HVT110025(Colour abbreviation)1	HVT110025-(Colour abbreviation)-100	(B) (G) (N) (L) (O) (P) (GRY) (V) (W) (Y)	100m	10/.025	0.50

Termco Boot Lace

Page 4



Nylon Insulated

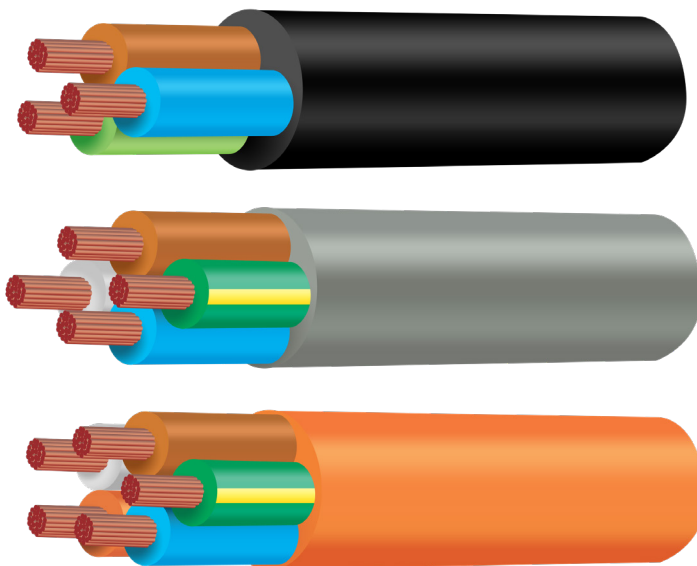


Cable Flexible

Multi-Core Ordinary and Heavy Duty Circular Flexible Cable

- Lighting, Appliance, Plug Leads
- **Conductor:** Oxygen Free Plain Copper Wire to AS1125
- **Insulation:** RoHS Compliant V90 PVC to AS3808
- **Sheath:** RoHS Compliant 5V90 PVC to AS3808
- **Core Colours:** **2 core:** Brown, Light Blue; **3 core:** Brown, Light Blue, Green/Yellow; **4 core:** Brown, White, Light Blue, Green/Yellow; **5 core:** Brown, White, Orange, Light Blue, Green/Yellow

TYREE
CABLE



Flexible Cable Colour Key

Grey (S)(SY)	Black (B)	White (W)	Orange (O)
--------------	-----------	-----------	------------

Part Number example: CAF-MC22402B100 *Please note do not include below '()' in part number*

Ordinary Duty Circular Flexible

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	No. of Cores	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAF-MC22402(Colour abbreviation)100	FRM22402-(Colour abbreviation)-100	(S) (B) (W) (O)	100m	2	24/0.20	0.75	7.5	0.6	0.8	6.3
CAF-MC23202(Colour abbreviation)100	FRM23202-(Colour abbreviation)-100	(S) (B) (W)	100m	2	32/0.20	1.0	10	0.6	0.8	6.7
CAF-MC230025(Colour abbreviation)100	FRM230025-(Colour abbreviation)-100	(S)	100m	2	30/0.25	1.5	15	0.7	0.8	7.7
CAF-MC32402(Colour abbreviation)100	FRM32402-(Colour abbreviation)-100	(S) (B) (W)	100m	3	24/0.20	0.75	7.5	0.6	0.8	6.7
CAF-MC33202(Colour abbreviation)100	FRM33202-(Colour abbreviation)-100	(S) (B) (O)	100m	3	32/0.20	1.0	10	0.6	0.8	7
CAF-MC330025(Colour abbreviation)100	FRM330025-(Colour abbreviation)-100	(S) (W) (O)	100m	3	30/0.25	1.5	15	0.7	0.9	8.3
CAF-MC350025(Colour abbreviation)100	FRM350025-(Colour abbreviation)-100	(S) (W)	100m	3	50/0.25	2.5	20	0.8	1.1	10.1
CAF-MC42402(Colour abbreviation)100	FRM42402-(Colour abbreviation)-100	(S)	100m	4	24/0.20	0.75	7.5	0.6	0.8	7.3
CAF-MC430025(Colour abbreviation)100	FRM430025-(Colour abbreviation)-100	(S) (O)	100m	4	30/0.25	1.5	15	0.7	1.0	9.2

Heavy Duty Circular Flexible

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	No. of Cores	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAF-MH33202(Colour abbreviation)100	FRH33202-(Colour abbreviation)-100	(O)	100m	3	32/0.20	1.0	10	0.8	1.4	9.0
CAF-MH33025(Colour abbreviation)100	FRH33025-(Colour abbreviation)-100	(O)	100m	3	30/0.25	1.5	15	0.8	1.6	10.1
CAF-MH350025(Colour abbreviation)100	FRH350025-(Colour abbreviation)-100	(O)	100m	3	50/0.25	2.5	20	0.9	1.8	12.0

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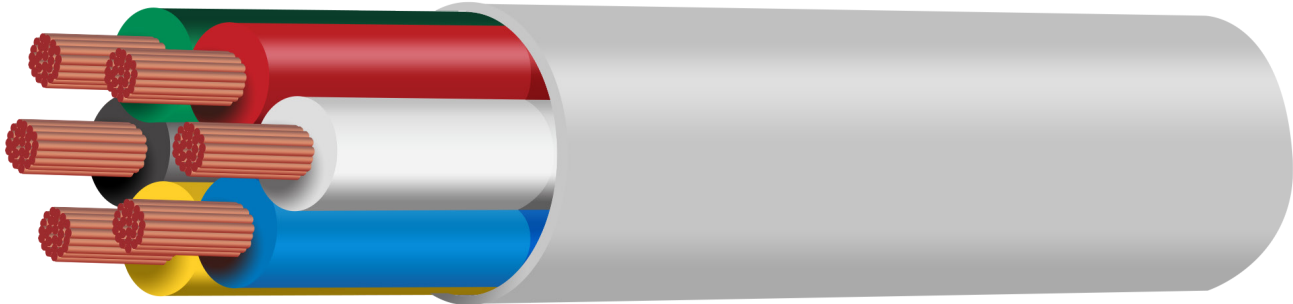
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Cable Security

Multi-Core Security Cable

- Security Systems, Control and Communications Equipment, Access Control, Detection and Monitoring
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** RoHS Compliant 75°C PVC to AS3808
- **Core Colours:** **4 core:** Red, Blue, White, Black; **6 core:** Red, Blue, White, Black, Green, Yellow; **8 core:** Red, Blue, White, Black, Green, Yellow, Brown, Violet

TYREE
CABLE

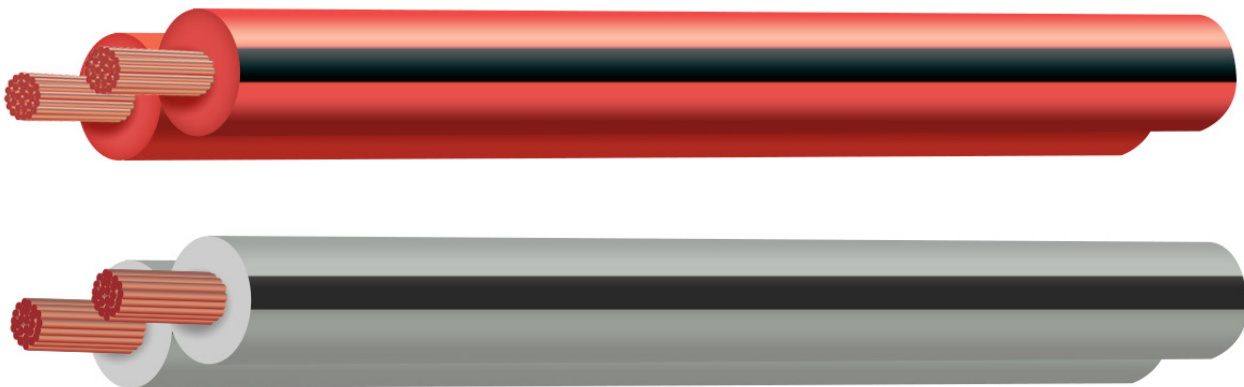


Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	No. of Cores	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAS-4142W100	SEC4142-WK-100	100m	White	4	14/0.20	0.4	2.8	0.3	0.5	4.6
CAS-4142W250	SEC4142-WH-250	250m								
CAS-4142W300B	SEC4142-WH-300(B)	300m Box								
CAS-6142W300B	SEC6142-WH-300(B)	300m Box	White	6	14/0.20	0.4	2.8	0.3	0.5	5.5
CAS-81402W250	SMC81402-WH-250	250m	White	8	14/0.20	0.4	2.8	0.3	0.76	6.5

Figure 8 (Parallel Webbed)

- Interconnection of Security and Allied Equipment
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** RoHS Compliant 75°C PVC to AS3808

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colours	No. of Cores	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Nominal O.D (mm)
CAS-2142RB100	LEC2142-RB-100	100m	Red/Black	2	14/0.20	0.4	2.5	0.4	1.6 x 3.5
CAS-2142RB500	LEC2142-RB-500	500m							
CAS-2242RB100	LEC2242-RB-100	100m	Red/Black	2	24/0.20	0.75	7.5	0.6	2.4 x 5.4
CAS-2242RB100	LEC2242-RB-100	500m	Red/Black						
CAS-2242SB100	LEC2242-SB-100	100m	Grey/Black						
CAS-2242SB100	LEC2242-SB-100	500m	Grey/Black						

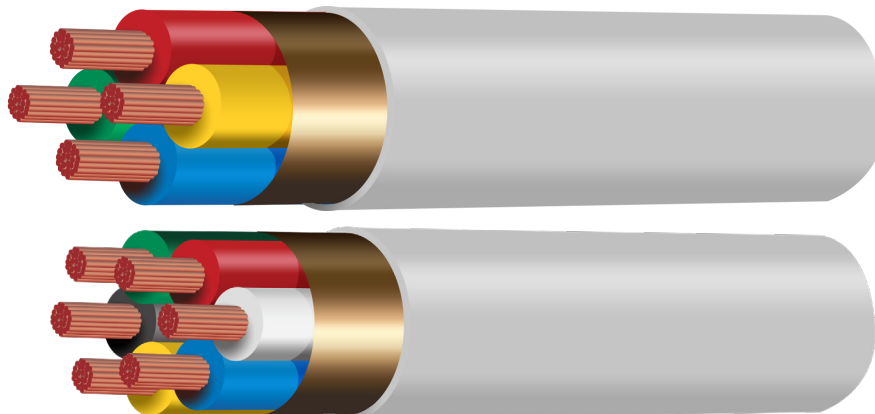
*Other sizes available on request

Cable Data

Screened Multi-Core RS232 Cable

- Security Control with Signal Integrity
- **Conductor:** Oxygen Free Plain Copper Wire to AS/NZS 1125
- **Insulation:** RoHS Compliant 75°C PVC to AS3808
- **Screen:** Overall Aluminum / Polyester Laminate Tape Screen with a 7/0.2mm Tinned Copper Drain Wire
- **Sheath Colour:** Grey
- **Core Colours:** **4 core:** Red, Blue, Green, Yellow; **6 core:** Red, Blue, Green, Yellow, White, Black; **7 Core:** Red, Blue, Green, Yellow, White, Black, Brown

TYREE
CABLE

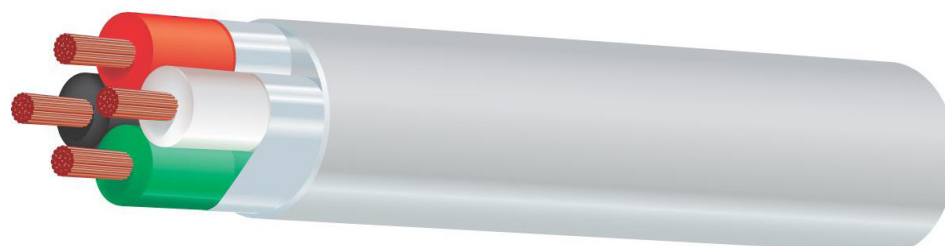


Engineering Supplies Part Number	Tyree Part Number	Roll Size	No. of Cores	Strand No. / Size	Normal Area (mm ²)	AMP Rating at 30°C	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CADA-4702GRY100	DMC4702-SY-100	100m	4	7/0.2	0.2	1.4	0.3	0.76	4.55
CADA-4702GRY250	DMC4702-SY-250	250m							
CADA-4702GRY300B	DMC4702-SY-300(B)	300m Box							
CADA-41402S100	DMC41402-SY-100	100m	4	14/0.2	0.4	2.8	0.3	0.76	5.3
CADA-6702GRY100	DMC6702GRY100	100m	6	7/0.2	0.2	1.4	0.3	0.76	5.4
CADA-6702S300B	DMC6702GRY300(B)	300m Box							
CADA-71402S100	DMC71402-SY-100	100m	7	14/0.2	0.4	2.8	0.3	0.76	6.2

Two-Pair Individual Screen Cable (8723 Equivalent)

- Security Control with Signal Integrity
- **Conductor:** Tinned Copper Wire to AS1125
- **Insulation:** Data Grade Polypropylene
- **Screen:** Individual Aluminium / Polyester Laminate Tape Screen on a common axis with 7/0.2mm tinned copper wire
- **Core Colours:** **Pair 1:** Black & Red; **Pair 2:** Green & White
- **Sheath Colour:** Grey

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	No. Of Pairs	Strand No. / Size	Normal Area (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CADA-47025GRY100	DQQ47025-SY-100	100m	2	7/0.25	0.34	0.26	0.4	4.4

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*Other sizes available on request

Cable Data

Multi-Pair Overall Screened Cable

- Data Communication, Balanced Mode, Low Capacitance
- **Conductor:** Tinned Copper Wire to AS1125
- **Insulation:** Data Grade Polypropylene
- **Screen:** Individual Aluminium / Polyester Laminate Tape Screen on a common axis with 7/0.2mm tinned copper wire
- **Core Colours:** Pair 1: Blue & White; Pair 2: Red & White
- **Sheath Colour:** Grey

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	No. Of Pairs	Strand No. / Size	AMP Rating	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CADA-PF2702S100	DPF2702-SY-100	100m	1	7/0.2	1.4	0.3	0.76	4.2
CADA-PF2702S300B	DPF2702-SY-300(B)	300m Box						
CADA-PF2702S500	DPF2702-SY-500	500m						
CADA-PF4702S100	DPF4702-SY-100	100m	2	7/0.2	1.4	0.3	0.76	5.6
CADA-PF4702S500	DPF4702-SY-500	500m						
CADA-PF6702S100	DPF6702-SY-100	100m	3	7/0.2	1.4	0.3	0.76	6.2
CADA-PF6702S500	DPF6702-SY-500	500m						

Co-Axial Cable RG6 Quad Shield

- General Purpose Co-Ax, Interconnections of Electronic Equipment & Instruments
- **Sheath Colour:** Black, White

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	Strand No. / Dia (mm)	Insulation Type	Insulation (mm)	Sheath (mm)	Sheath Type	Screen Type	Screen %
CAC-KC11035B100	CKC11035-BK-100	100m	Black	1.02 CCS	Foam PE	4.57	7.62	PVC	1 x AL Foil	Bonded
CAC-KC11035B305B	CKC11035-BK-305(B)	305m Box	Black						1 x AL Braid	60%
CAC-KC11035W305B	CKC11035-WH-305(B)	305m Box	White						1 x AL Foil	-
									1 x Al Braid	40%

*Other sizes available on request

Cable Security & Data

Composite Co-Axial Cable RG59

- General Purpose Co-Ax, Interconnections of Electronic Equipment & Instruments
- Sheath Colour:** Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	Strand No. / Dia (mm)	Insulation Type	Insulation (mm)	Sheath (mm)	Sheath Type	Screen Type	Screen %
CAC-CE59224B100	CCE59224-BK-100	100m	Black	0.57 PCW	Solid	3.6	10.2	PVC	1 x PCW Braid	94%
			Black, Red	24/0.2	PVC	2.4	-	-	-	-
CAC-CE59224B250	CCE59224-BK-250	250m	Black	0.57 PCW	Solid	3.6	10.2	PVC	1 x AL Foil	94%
			Black, Red	24/0.2	PVC	2.4	-	-	-	-

CAT6

- High Speed Data / Communication Networks
- Conductor:** Plain Copper Wire
- Insulation:** High Speed Data Insulation
- Pair Colours:** **Pair 1:** White / Blue & Blue; **Pair 2:** White / Orange & Orange; **Pair 3:** White / Green & Green; **Pair 4:** White / Brown & Brown
- Sheath:** PVC

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	Pairs	Conductor No. / Dia (mm)	Nom / Imped OHMS	Normal O.D. (mm)
CADA-PA8105L305B	DPA81051-LB-305(B)	305M Box	Blue	4	0.55	100	6
CADA-PA8105S305B	DPA81051-SY-305(B)	305M Box	Grey				

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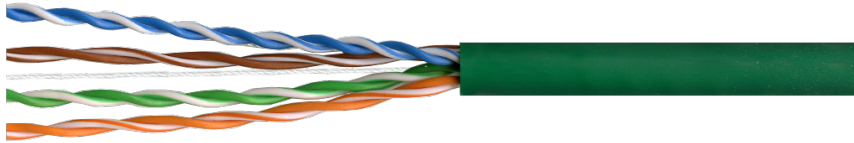
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Cable Flexible Data & Audio

Cat5E

- High Speed Data / Communication Networks
- Conductor: Plain Copper Wire
- High Speed Data Insulation

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Cores	Conductor No. / Dia	Normal Area (mm ²)	Nom / Imped OHMS	Nominal O.D (mm)
CADA-PZ8105L305B	DPZ81051-LB-305(PB)	Blue	305m Box	4	0.51	0.2	100	5.3

Figure 8 (Parallel Webbed)

- Speaker and Home Theatre Connections
- **Conductor:** Oxygen Free Plain Copper Wire to AS1125
- **Insulation:** RoHS Compliant 75°C PVC to AS3808

TYREE
CABLE

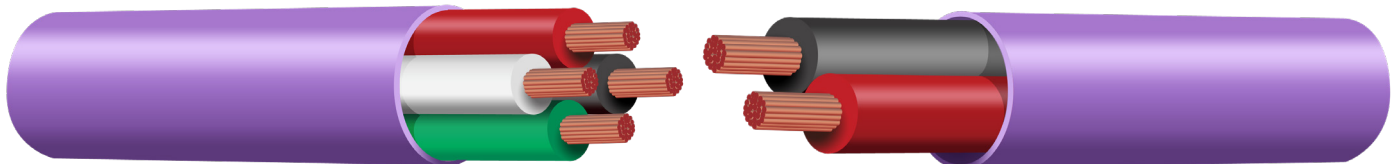


Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Cores	Conductor No. / Size	Normal Area (mm ²)	Insulation Thickness (mm)	Nominal O.D (mm)
CAS-2142RB100	LEC2142-RDBK-100	Red/Black	100m	2	14/0.20	0.4	0.4	1.6 x 3.5
CAS-2142SB100	LEC2142-SYBK-100	Grey/Black						
CAS-2142RB500	LEC2142-RDBK-500	Red/Black	500m					
CAS-2242RB100	LEC2242-RDBK-100	Red/Black	100m	2	21/0.20	0.75	0.6	2.4 x 5.4
CAS-2242SB100	LEC2242-SYBK-100	Grey/Black						
CAS-2242RB250	LEC2242-RDBK-250	Red/Black	250m					
CAS-2242SB250	LEC2242-SYBK-250	Grey/Black						
CAS-2242RB500	LEC2242-RDBK-500	Red/Black	500m					
CAS-2242SB500	LEC2242 SYBK-500	Grey/Black						

Tysonic Home Theatre

- Speaker and Home Theatre Connections
- **Conductor:** Plain Copper Wire
- **Insulation:** High Speed Data Insulation

TYREE
CABLE



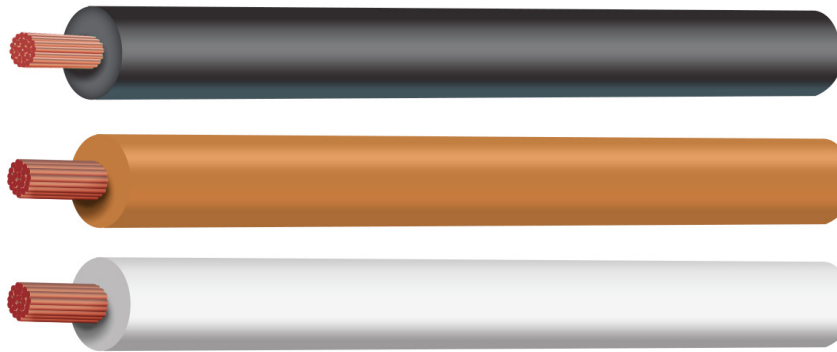
Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Cores	Conductor No. / Dia	Normal Area (mm ²)	Insulation Thickness (mm)	Nominal O.D (mm)
CAAU-230025V100	LMC230025-VL-100	Purple	100m	2	30/0.25	1.5	0.5	7.1
CAAU-230025V200	LMC230025-VL-200	Purple	200m					
CAAU-430025V100	LMC430025-VL-100	Purple	100m	4	30/0.25	1.5	0.5	8.2
CAAU-430025V200	LMC430025-VL-200	Purple	200m					

Cable Building

Tyree Single Core V90HT Building Cable

- Building / Power Cable 0.6/1KV
- **Conductor:** Plain Copper Wire to AS1125
- **Insulation:** V90 PVC Insulated to AS3808

TYREE
CABLE



Building Cable Colour Key			
Blue (BL)	Yellow (Y)	White (W)	Orange (OR)
Green (G)	Pink (PK)(P)(PNK)	Brown (BR)(BRN)(N)	Purple (PUR)(PU)(PPL)
Black (BK)(B)	Red (R)	Grey (GRY)(GR)(S)	Green/Yellow (GY)(G/Y)

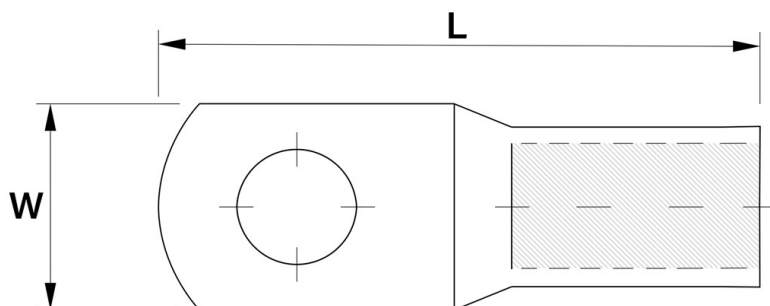
Part Number example: CAB-SR10051BK *Please note do not include below '()' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)	Insulation Thickness (mm)	Nominal O.D (mm)
CAB-SR10051(Colour abbreviation)	BVD1108-(Colour abbreviation)-100	(BK)	100m	1/0.8	0.5	0.8	2.4
CAB-SR10051(Colour abbreviation)1K	BVD1108-(Colour abbreviation)-1000	(BK) (BR)	1000m				
CAB-SR10101(Colour abbreviation)	BVD11113-(Colour abbreviation)-100	(BK) (BL) (BR)	100m	1/1.13	1.0	0.8	2.75
CAB-SR10151(Colour abbreviation)	BVD1705-(Colour abbreviation)-100	(BL) (G/Y) (R)	100m	7/0.5	1.5	0.8	3.15
CAB-SR10251(Colour abbreviation)	BVD17067-(Colour abbreviation)-100	(BK) (BL) (GY) (W) (R)	100m	7/0.67	2.5	0.8	3.65
CAB-SR10401(Colour abbreviation)	BVD17085-(Colour abbreviation)-100	(BK) (GY)	100m	7/0.85	4.0	1.0	4.6

TERMCO

Termco Lugs

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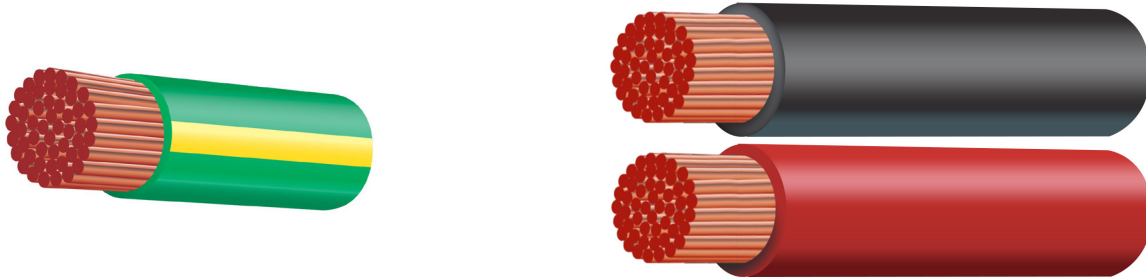
*Other sizes available on request

Cable Building

Tyree Flexible Single Core V90HT 0.6/1KV Cable

- Power Cable 0.6/1KV for fixed applications
- Conductor:** Nominal 0.2mm Bunched Flexible Plain Copper Wire to AS1125
- Insulation:** V90 PVC Insulated to AS3808

TYREE
CABLE



Building Cable Colour Key			
Blue (BL)(L)(LB)	Yellow (Y)	White (W) (W1)	Orange (OR)
Green (G)	Pink (PK)(P)(PNK)	Brown (BR)(BRN)(N)	Purple (PUR)(PU)(PPL)
Black (BK)(B)	Red (R)	Grey (GRY)(GR)(S)	Green/Yellow (GY)(G/Y)(G/)

Part Number example: CAB-ZBD179202R *Please note do not include below '()' in part number*

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)	Insulation Thickness (mm)	Nominal O.D (mm)
CAB-ZBD132202(Colour abbreviation)	ZBD132202-(Colour abbreviation)-100	(BK) (BL) (GY) (R) (W)	100m	322/0.2	10	1.0	6.3
CAB-ZBD151102(Colour abbreviation)	ZBD151102-(Colour abbreviation)-100	(BK) (GY) (L) (R) (W)	100m	511/0.2	16	1.0	7.3
CAB-ZBD179202(Colour abbreviation)	ZBD179202-(Colour abbreviation)-100	(BK) (GY) (LB) (R) (WH)	100m	784/0.2	25	1.2	8.8
CAB-ZBD1112102(Colour abbreviation)	ZBD1112102-(Colour abbreviation)-100	(BK) (G/) (L) (R) (W)	100m	1120/0.2	35	1.2	10.2
CAB-ZBD1159602(Colour abbreviation)	ZBD1159602-(Colour abbreviation)-100	(BK) (GY) (BL) (R) (W1)	100m	1568/0.2	50	1.4	11.9
CAB-ZBD1221202(Colour abbreviation)	ZBD1221202-(Colour abbreviation)-100	(BK) (GY) (R) (WH)	100M	2240/0.2	70	1.4	14

Tyree Flexible Double Insulated Single Core V90HT 0.6/1KV Cable

- Fixed Power Applications, Switchboards, Bus-bars, Transformers
- Conductor:** Nominal 0.2mm Bunched Flexible Plain Copper Wire to AS1125
- Insulation & Sheath:** Nitrile (NBR) Modified PVC to comply with AS3808 V90HT
- Sheath Colour:** Orange

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Conductor No. / Dia (mm)	Normal Area (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAW-DU132202O	ZDU132202-OR-100	100m	322/0.2	10	1.0	1.4	9.1
CAW-DU151102O1	ZDU151102-OR-100	100m	511/0.2	16	1.0	1.4	10.1
CAW-DU179202O100	ZDU179202-OR-100	100m	784/0.2	25	1.2	1.4	11.8
CAW-DU1112102O1	ZDU1112102-OR-50	50m	1120/0.2	35	1.2	1.4	13.1
CAW-DU1159602O50	ZDU1159602-OR-50	50m	1538/0.2	50	1.4	1.4	14.9
CAW-DU1221202O50	ZDU1221202-OR-50	50m	2240/0.2	70	1.4	1.5	17
CAW-DU1302102O50	ZDU1302102-OR-50	50m	3040/0.2	95	1.6	1.5	19.3

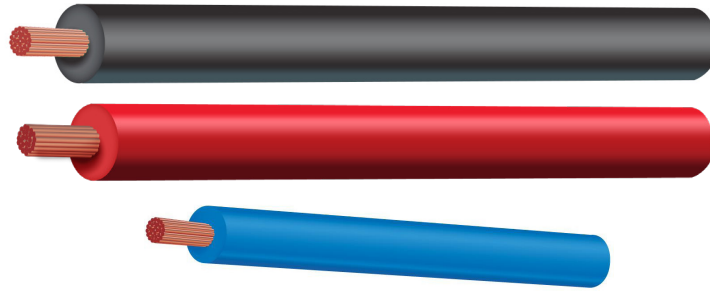
*Other sizes available on request

Cable Irrigation

Single Core Irrigation Cable - Tyflo

- Irrigation and Sprinkler Systems
- **Conductor:** Multi Strand Plain Copper Wire - Oxygen Free
- **Insulation:** Premium Grade UV Stabilized Polypropylene

TYREE
CABLE



Irrigation Cable Colour Key			
Blue (BL)(L)(LB)	Yellow (Y)	White (W)(Wt)	Orange (OR)(O)
Green (G)	Pink (PK)(P)(PNK)	Brown (BR)(BRN)(N)	Purple (PUR)(PU)(PPL)(V)
Black (BK)(B)	Red (R)(RD)	Grey (GRY)(GR)(S)	Light Blue (L)
Light Green (J)			

Part Number example: CAI-SE1703 *Please note do not include below '()' & '/' in part number*

Please note rolls sizes vary depending on current stock levels & colours

Engineering Supplies Part Number	Tyree Part Number	Available Colours	Available Trace Colours	Roll Sizes	Conductor No. / Size (mm)	Normal Area (mm ²)	AMP Rating	Insulation Thickness (mm)	Nominal O.D (mm)
CAI-SE1703(Colour abbreviation)100	WSE1703-(Colour abbreviation)-(RollSize)	(B) (G) (I) (L) (N) (O) (P) (R) (S) (V) (W) (Y)	-	100m	7/0.3	0.5	4	0.4	1.80
CAI-SE1705(Colour abbreviation)100	WSE1705-(Colour abbreviation)-(RollSize)	(B) (G) (I) (J) (L) (N) (O) (P) (R) (S) (V) (W) (Y)	(I/B) (I/R) (I/W) (L/R) (N/R) (P/BK) (P/G) (P/I) (P/L) (P/N) (P/R) (P/S) (P/W) (W/B) (W/N) (W/O) (W/P) (W/R) (W/S) (Y/R)	100m 500m 1000m	7/0.5	1.5	16	0.4	2.35
CAI-SE17067(Colour abbreviation)100	WSE17067-(Colour abbreviation)-(RollSize)	(B) (G) (I) (J) (L) (N) (O) (P) (R) (S) (V) (W) (Y)	-	100m 500m 1000m	7/0.67	2.5	23	0.4	2.85
CAI-SE17085(Colour abbreviation)100	WSE17085-(Colour abbreviation)-(RollSize)	(B)	-	100m 500m	7/0.85	4	30	0.6	3.80

Tyree Maxi Cable 2 Core Flat Irrigation Cable - Tyflo

- Irrigation and Sprinkler Systems
- **Conductor:** Tinned Copper Wire
- **Insulation:** 75°C PVC to AS 3808
- **Sheath:** UV Stabilized Polypropylene

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Equivalent	Roll Size	Colour	No. of Cores	Conductor No. / Dia (mm)	Normal Area (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAI-WWS2706R500	WWS27067-LL-500	Rainbird	500m	Red	2	7/0.67	2.5	1.5	1.2	7.7x12.6
CAI-WWS27085V500	WWS27085-VL-500	Rainman	500m	Purple	2	7/0.85	4.0	1.5	1.2	8.3x13.8

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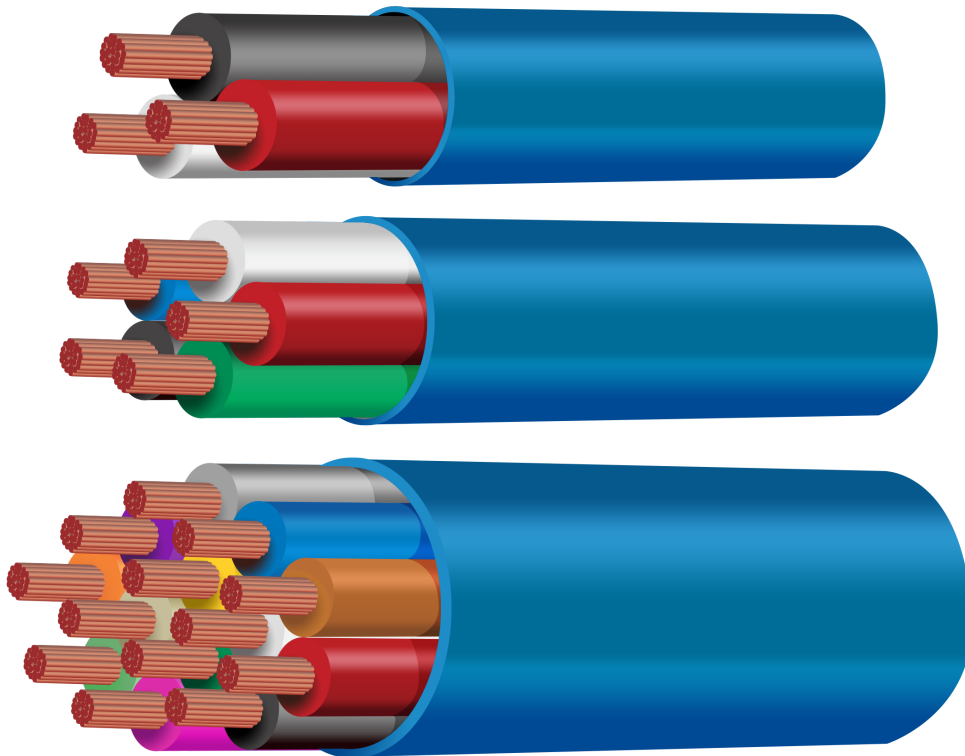
*Other sizes available on request

Cable Irrigation

Multi Core Tyflo Irrigation Cable

- Irrigation and Sprinkler Systems
- **Conductor:** Multi strand Oxygen Free Plain Copper Wire
- **Insulation:** Premium Grade UV Stabilized Polypropylene
- **2 core:** Black, Red; **3 core:** Black, Red, White; **4 core:** Black, Red, White, Blue; **5 core:** Black, Red, White, Blue, Green; **7 core:** Black, Red, White, Blue, Green, Brown, Yellow; **9 core:** Black, Red, White, Blue, Green, Brown, Yellow, Pink, Grey; **13 core:** Black, Red, White, Blue, Green, Brown, Yellow

TYFLO
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	No. of Cores	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating Per Core (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAI-MW27067L500	WMW27067	500m	Blue	2	7/0.67	2.5	23	0.4	0.6	6.80
CAI-MW37043L100	WMW37043	100m	Blue	3	7/0.43	1.0	10	0.4	0.6	5.80
CAI-MW3705L500	WMW3705	500m	Blue	3	7/0.50	1.5	16	0.4	0.6	6.20
CAI-MW5703L100	WMW5703	100m	Blue	5	7/0.30	0.5	4	0.3	0.6	5.50
CAI-MW5703L500	WMW5703	500m								
CAI-MW5705L500	WMW5705	500m	Blue	5	7/0.50	1.5	16	0.4	0.6	7.70
CAI-MW7703L100	WMW7703	100m	Blue	7	7/0.30	0.5	4	0.3	0.6	6.10
CAI-MW7703L500	WMW7703	500m								
CAI-MW7705L100	WMW7705	100m	Blue	7	7/0.50	1.5	16	0.4	0.7	8.60
CAI-MW7705L500	WMW7705	500m								
CAI-MW9703L100	WMW9703	100m	Blue	9	7/0.30	0.5	4	0.3	0.6	7.10
CAI-MW9705L100	WMW9705	100m	Blue	9	7/0.50	1.5	16	0.4	0.7	10.20
CAI-MW9705L500	WMW9705	500m								
CAI-MW13705L100	WMW13705	100m	Blue	13	7/0.50	1.5	16	0.4	0.7	11.60
CAI-MW13705L500	WMW13705	500m								

*Other sizes available on request

Cable Marine

Extra Low Voltage Single Core Tinned Copper Wire

- Pleasure Craft, General Purpose Marine Wiring
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808
- **Sheath Colour:** Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Industry Equivalent (mm)	Conductor No. / Dia	Normal Area (mm ²)	Insulation Thickness (mm)	AMP Rating at 30°C	Nominal O.D (mm)
CAM-MAR3-100	MSS11603-BK-100	100m	3	14/0.32	1.13	0.4	20	2.2
CAM-MAR4-100	MSS12603-BK-100	100m	4	23/0.32	1.84	0.4	28	2.6
CAM-MAR6-100	MSS16503-BK-100	100m	6	57/0.32	4.59	0.6	48	4.0

Flat Twin Sheath Tinned Copper Wire

- Marine Trailer Wiring, General Purpose Marine Wiring, Lights, Instrumentation
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808
- **Sheath:** RoHS Compliant 5V90 PVC to AS/NZS 3808
- **Sheath Colour:** White

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Industry Equivalent (mm)	Conductor No. / Dia	Normal Area (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	AMP Rating at 30°C	Nominal O.D (mm)
CAM-MAR221-100W	MWS21602-WH-100	100m	2	16/0.20	0.5	0.5	0.6	7	3.2 x 5.2
CAM-MAR321-100W	MWS21603-WH-100	100m	3	14/0.32	1.13	0.4	0.6	16	3.3 x 5.5
CAM-MAR421-100W	MWS22603-WH-100	100m	4	23/0.32	1.84	0.4	0.6	22	3.8 x 6.3
CAM-MAR621-100W	MWS26503-WH-100	100m	6	57/0.32	4.59	0.6	0.8	38	5.7 x 9.6

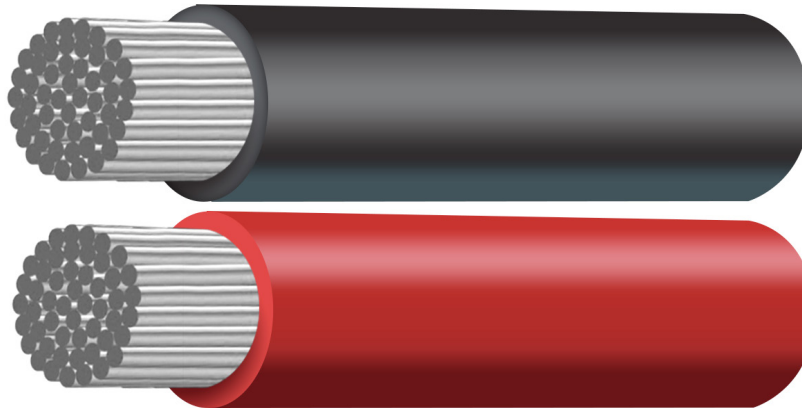
*Other sizes available on request

Cable Marine

Battery Cable

- Pleasure Craft, Extra Low Voltage Applications
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Nearest B&S	Conductor No. / Dia	Normal Area (mm ²)	Insulation Thickness (mm)	AMP Rating at 30°C	Nominal O.D (mm)
CAM-BS111203-30B	MBS111203-BK-30	Black	30m	8	96/0.32	8	0.9	74	5.75
CAM-BS111203-100B	MBS111203-BK-100	Black	100m						
CAM-BS111203-30-RED	MBS111203-RD-30	Red	30m						
CAM-BS111203-RED	MBS111203-RD-100	Red	100m						
CAM-BS136403BK30	MBS136403-BK-30	Black	30m	3	329/0.32	25.7	1.6	168	10.2
CAM-BS136403RD30	MBS136403-RD-30	Red	30m						
CAM-BS145503BK30	MBS145503-BK-30	Black	30m	2	399/0.32	32	1.7	188	10.3
CAM-BS145503RD30	MBS145503-RD-30	Red	30m						

Twin Sheath Battery

- Battery Winches, Feeds, Charges, Power & Solar Generators
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808
- **Core Colours:** Red, Black
- **Sheath:** RoHS Compliant 5V90 PVC to AS/NZS 3808

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Colour	Roll Size	Nearest B&S	Normal Area (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	AMP Rating at 30°C	Nominal O.D (mm)
CAM-MWS296032B30	MWS296032-BK-30	Black	30m	8	7.7	0.9	0.8	59	7.1 x 12.5
CAM-MWS2168032B	MWS2168032-BK-30	Black	30m	6	13.5	1.1	0.8	82	8.8 x 16.0
CAM-MWS2399032BK	MWS2399032-BK-30	Black	30m	2	32.0	1.7	0.96	150	13.0 x 24.0

Other sizes available on request

Cable Marine

Figure 8

- Pleasure Craft Low Voltage Applications / Hook Up and Speaker Connections
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808
- **Colour:** Red with Black trace

TYREE
CABLE

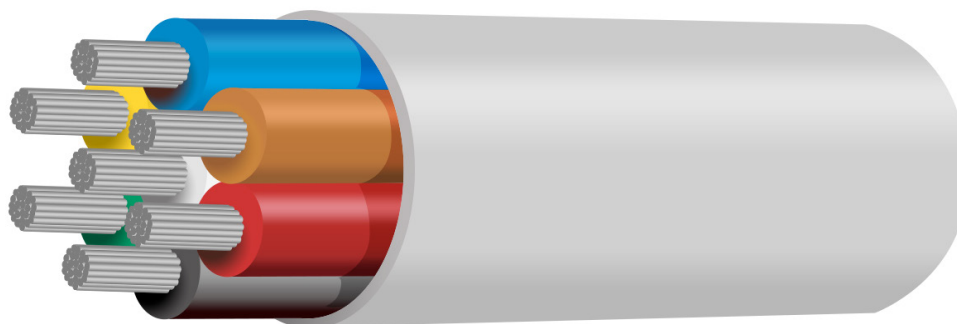


Engineering Supplies Part Number	Tyree Part Number	Roll Size	Industry Equivalent (mm)	Conductor No. / Dia	Normal Area (mm ²)	Insulation Thickness (mm)	AMP Rating at 20°C	Nominal O.D (mm)
CAM-FS21603RB50	MFS21603-RDBK-50	50m	3	14/0.32	1.13	0.6	16	2.6 x 5.9
CAM-FS21603RB100	MFS21603-RDBK-100	100m						
CAM-FS2603RB100	MFS22603-RDBK-100	100m	4	23/0.32	1.84	0.6	22	3.1 x 6.7

Tinned Trailer Cable

- Marine Trailer Wiring
- **Conductor:** Tinned Copper Wire (TCW) to AS/NZS 1125
- **Insulation:** RoHS Compliant V90 PVC to AS/NZS 3808
- **3 core:** White, Yellow, Brown; **5 core:** White, Yellow, Brown, Red, Green; **7 core:** White, Yellow, Brown, Red, Green, Blue, Black

TYREE
CABLE



Engineering Supplies Part Number	Tyree Part Number	Roll Size	Colour	No. of Cores	Conductor No. / Dia (mm)	Normal Area (mm ²)	AMP Rating per Jaso P609 at 30°C (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal O.D (mm)
CAM-MAR43-100	MTS32603-WH-100	100m	White	3	23/0.32	1.84	19	0.4	0.6	7.2
CAM-MTT51602	MTT51602-WH-100	100m	White	5	16/0.2	0.5	6	0.3	0.5	5.4
CAM-MTT53202-100	MTT53202-WH-100	100m	White	5	32/0.2	1.0	8	0.4	0.6	7.2
CAM-MTT71602-50M	MTT71602-WH-50	50m	White	7	16/0.2	0.5	5.9	0.3	0.6	5.9
CAM-MTT7302W100	MTT73202-WH-100	100m	White	7	32/0.2	1.0	7.0	0.4	0.6	7.8

Other sizes available on request

Cable Silicone

Single Core Silicone Cable

- Heat Rated Cable for High Temperature Environments
- **Conductor:** Tinned Copper Wire (TCW)
- **Insulation:** Silicone Rubber
- **Rated Voltage:** 600V
- **Rated Temperature:** 200°C



Silicone Cable Colour Key			
Blue (BL)	Yellow (Y)	White (W)	Orange (OR)
Black (BK)	Red (R)	Grey (GRY)	Green/Yellow (GY)
Brown (BR)			

Part Number example: SIL016BK *Please note do not include below '()' in part number*

Part Number	Available Colours	Roll Size	Normal Area (mm ²)	Conductor No. / Dia	Insulation Thickness (mm)	Nominal O.D (mm)	Electrical Resistance at 20°C ohm/km
SIL016(Colour abbreviation)	(BK) (BL) (R) (W)	100m	0.5	16/0.20	0.76	2.5	40.1
SIL024(Colour abbreviation)	(BK) (BL) (BR) (GRY) (GY) (OR) (R) (W)	100m	0.75	24/0.20	0.76	2.7	26.7
SIL032(Colour abbreviation)	(BK) (BL) (BR) (GY) (OR) (R) (W)	100m	1.0	32/0.20	0.76	2.9	20
SIL030(Colour abbreviation)	(BK) (BL) (BR) (GY) (OR) (R) (W)	100m	1.5	41/0.25	0.76	3.5	9.9
SIL050(Colour abbreviation)	(BK) (BL) (BR) (GY) (OR) (R) (W) (Y)	100m	2.5	49/0.25	0.76	3.6	8.21
SIL056(Colour abbreviation)	(BK) (BL) (GY) (R) (W)	100m	4.0	56/0.30	0.76	4.3	5.09
SIL084(Colour abbreviation)	(BK) (BL) (GY) (R) (W)	100m	6.0	84/0.30	1.14	5.6	3.39

- **Rated Voltage:** 500V/1000V
- **Rated Temperature:** -60 - +180°C

Part Number	Available Colours	Roll Size	Normal Area (mm ²)	Conductor No. / Dia	Insulation Thickness (mm)	Nominal O.D (mm)	Electrical Resistance at 20°C ohm/km
SIL077(Colour abbreviation)	(BK)	100m	10	84/0.40	1.6	7.8	1.95
SIL209(Colour abbreviation)	(BK)	100m	25	196/0.40	1.8	10.9	0.795
SIL285(Colour abbreviation)	(BK)	100m	35	276/0.40	2.0	12.6	0.565
SIL380(Colour abbreviation)	(BK)	100m	50	396/0.40	2.2	15.1	0.393
SIL203(Colour abbreviation)	(BK)	100m	70	360/0.50	2.2	16.8	0.277

*Other sizes available on request

Cable Betatherm

Betatherm Single Core Cable

- Heat Rated Cable, flexible and low-voltage
- **Conductor:** Tinned Copper Wire (TCW)
- **Insulation:** Poly - Olefin - Copolymer Crossed Linked by Irradiation
- **Rated Voltage:** 0.25mm² - 0.75mm² 450/750V; 1mm²+ 0.6/1KV
- **Rated Temperature:** Class F 155°C



Betatherm Cable Colour Key

Blue (BL)	Yellow (Y)	White (W)	Orange (OR)
Black (BK)	Red (R)	Grey (GRY)	Green/Yellow (GY)
Brown (BR)			

Part Number example: BC014BK *Please note do not include below '()' in part number*

Part Number	Available Colours	Roll Size	Normal Area (mm ²)	Conductor No. / Dia	AMPS	Nominal O.D (mm)
BC014(Colour abbreviation)	(BK) (BL) (R) (W)	200m	0.25	14/0.15	2	1.5
BC016(Colour abbreviation)	(BK) (BL) (BR) (R) (W)	200m	0.50	16/0.20	5	1.9
BC024(Colour abbreviation)	(BK) (BL) (BR) (R) (W)	200m	0.75	24/0.20	7.5	2.2
BC032(Colour abbreviation)	(BK) (BL) (BN) (R) (W)	100m	1.0	32/0.20	10	2.5
BC030(Colour abbreviation)	(BK) (BL) (BR)	100m	1.5	30/0.25	15	3.1
BC050(Colour abbreviation)	(BK) (R)	100m	2.5	50/0.25	20	3.5
BC056(Colour abbreviation)	(BK) (R) (W)	100m	4.0	56/0.30	25	3.8
BC084(Colour abbreviation)	(BK) (R) (W)	100m	6.0	84/0.30	40	4.5
BC077(Colour abbreviation)	(BK)	100m	10.0	80/0.40	70	6.6
BC126(Colour abbreviation)	(BK)	100m	16.0	128/0.40	100	7.2



*Other sizes available on request

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Cable Siltherm

Single Core Siltherm Cable

- Heat Rated Cable for High Temperature Environments
- **Conductor:** Tinned Copper Wire (TCW)
- **Insulation:** Silicone Rubber with Silicone (impregnated) Glass Fibre Braiding
- **Rated Voltage:** 1.5kV
- **Rated Temperature:** -50 to 180°C
- **Braid Colour:** Yellow



Part Number	Roll Size	Normal Area (mm ²)	Conductor No. / Dia	AMPS	Nominal O.D (mm)
SILTH1.5MM	Per Metre	1.5	30/0.25	15	4.0
SILTH2.5YEL	Per Metre	2.5	50/0.25	20	4.5
SILTH4.0YEL	Per Metre	4.0	56/0.30	25	5.0
SILTH6.0YEL	Per Metre	6.0	84/0.30	40	6.0
SILTH10.0YEL	Per Metre	10.0	80/0.40	70	8.0
SILTH16.0YEL	Per Metre	16.0	128/0.40	100	9.0
SILTH25.0YEL	Per Metre	25.0	200/0.40	200	11.0
SILTH35.0YEL	Per Metre	35.0	280/0.40	250	12.5
SILTH50YEL	Per Metre	50.0	400/0.40	300	15.0
SILTH70YEL	Per Metre	70.0	560/0.40	350	16.0



Other sizes available on request



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MOTOR RUN CAPACITORS



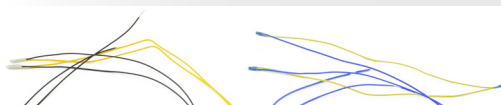
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P. **90**

XYLENE



P. **90**

Motors & Rewinding

Plastic Motor Fans

- The CS series cooling fan is yellow, mechanically stable polypropylene injected-molded part.



Engineering Supplies Part Number	Maximum Diameter (mm)	Minimum Diameter (mm)	Max Height (mm)	Bush Part Number to Suit (mm)	Bush Start Point (mm)	Bush Max Point (mm)
CS071F	123	100.5	26	CS071B	6	21
CS080F	132	106.5	26			
CS090F	165	133	32	CS090B	17.55	29
CS100F	171	145	36			
CS112F	212	172	46	CS112B	20	44
CS132F	247	199	56			
CS160F	296	244	56	CS160B	29	53.5
CS180F	335	277	56			

RCT85 Series Single Shaft Condenser Fan Motors Single Phase

- Specially designed for a variety of outdoor applications, including condensing units and ventilation systems



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA009	RCT85-1506S-TE-M02	1/5HP, 1PH, 6P, 900/3SP, 150W	Single	CT85-57015X-M02
RCTA006	RCT85-1804S-TE-M02	1/4HP, 1PH, 4P, 1380/1SP, 180W	Single	CT85-54018X-M02
RCTA010	RCT85-2506S-TE-M02	1/3HP, 1PH, 6P, 910/1SP, 250W	Single	CT85-56025X-M02
RCTA011	RCT85-3006S-TE-M02	1/3HP, 1PH, 6P, 910/1SP, 300W	Single	CT85-57030T-M02
RCTA012	RCT85-3706S-TE-M02	1/2HP, 1PH, 6P, 900/1SP, 370W	Single	CT85-56037X-M02
RCTA039	RCT85-3706MS-TE-MO5	Turbo 48, 1PH, 6P, 3SP, 370W	Single	Fasco: 808557NTA-A11
RCTA015	RCT85-4254S-TE-B02	1/2HP, 1PH, 4P, 1200/2SP, 425W	Single	CT85-55042T-B02

Motors & Rewinding

RCT85 Series Single Shaft Condenser Fan Motors Three Phase

- Specially designed for a variety of outdoor applications, including condensing units and ventilation systems



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA007	RCT85-1804S-TE-M02T	1/4HP, 3PH, 4P, 1400/1SP, 180W	Single	CT85-34018X-M02
RCTA008	RCT85-1804S-F02T	1/4HP, 3PH, 4P, 1400/1SP, 180W	Single	CT85-34018X-F02
RCTA013	RCT85-2506S-TE-M02T	1/3HP, 3PH, 6P, 900/1SP, 250W	Single	CT85-36025X-M02
RCTA014	RCT85-3706S-TE-B02T	1/2HP, 3PH, 6P, 890/1SP, 370W	Single	CT85-36037t-B02

RCT85 Series Single Shaft Blower Motors

- Specially designed for a variety of air movement applications, including ducted heating and evaporative cooling systems

Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA016	RCT85-3154S-B01	1/2HP, 1PH, 4P, 1350/3SP, 315W	Single	CT85-55031V-B02
RCTA017	RCT85-5504S-B02	3/4HP, 1PH, 4P, 1200/3SP, 550W	Single	CT85-55060V-B02
RCTA018	RCT85-7504S-B02	1HP, 1PH, 4P, 1360/3SP, 750W	Single	CT85-55075V-B02

RCT85 Series Band Mount Shaft Up Evaporative Fan Motors With Extended Through Bolts (Cool Breeze)

- Specially designed for a variety of outdoor applications, including condensing units and ventilation systems



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA042	RCT85-6004S-ODP-B02CB	Turbo 240v, 4P, CW, 425W	Single	Fasco: 8061S161-01
RCTA041	RCT85-7504S-ODP-B02CB	Turbo 240v, 4P, CW, 750W	Single	Fasco: 80855BQVA-A18
RCTA043	RCT85-10004S-ODP-B02CB	Turbo 240v, 4P, CW, 1000W	Single	Fasco: 80855BRVA-A18

Motors & Rewinding

RCT85 Series Band Mount Shaft Down Evaporative Fan Motors (Celair Equivalent)

- Specially designed for a variety of air movement applications, including ducted heating and evaporative cooling systems

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Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA044	RCT85-4254S-ODP-B02CE	Turbo 240v, 4P, 48 Frame, 425W	Single	Fasco: 80855BNVA-A15
RCTA045	RCT85-6004S-ODP-B02CE	Turbo 240v, 4P, 48 Frame, 600W	Single	Fasco: 80855BPVA-A11
RCTA046	RCT85-7504S-ODP-B02CE	Turbo 240v, 4P, 48 Frame, 750W	Single	Fasco: 80855BQVA-A21/A25
RCTA047	RCT85-9504S-ODP-B02CE	Turbo 240v, 4P, 48 Frame, 950W	Single	Fasco: 80855BRVA-A13/A16

RCT85 Series Large Lug Mounted Fan Motors

- Specially designed for a variety of air movement applications, including ducted heating and evaporative cooling systems

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ELECTRIC MOTOR GROUP



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA040	RCT85-3756S-TE-D02TS	Turbo Lug Mounted, 6P, 3PH, 5/8 Shift, 375W	Single	Fasco: 809436NTB-B11
RCTA050	RCT85-4506S-TE-D02S	240v, 6P, 2 Speed, CW, DE, 450W	Single	Fasco: 808557NVB-B11

Email sales@engsup.com.au

Call +61 8 9258 8444

www.engineeringsupplies.com.au

Motors & Rewinding

RCT85 Series Fan Motors with Extended NDE Shaft & Tacho Groove in Rear End Shield (Bravis & Braemar)

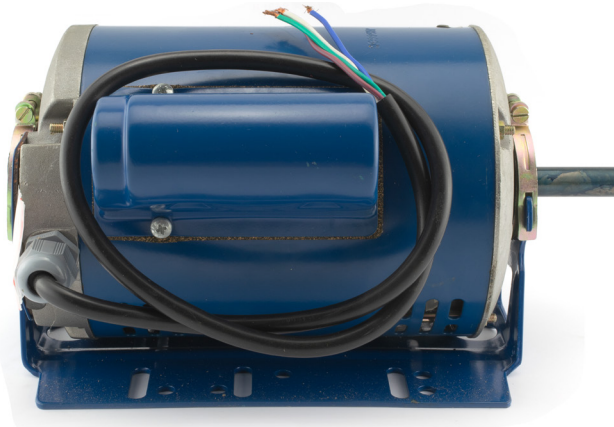
- Specially designed for a variety of air movement applications, including ducted heating and evaporative cooling systems



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA049	RCT85-3154S-ODP-B02BS-1	4pole, 240v, B48, CW, DE, w/tach, 315w	Single	F/CO 80855BNVA-A12/A13
RCTA048	RCT85-7504S-ODP-B02BS-1	4pole B48, 1ph, CW, DE, w/tach, 750w	Single	-
RCTA052	RCT85-3104S-ODP-B02BR	4p, 1ph, b48, Turbo, CW, DE, 310w	Single	-
RCTA053	RCT85-6004S-ODP-B02BR	4p, 1ph, B48, Turbo CW, DE, 600/750w	Single	-
RCTA055	RCT85-6004S-ODP-B02BR	4p, Turbo, 240v, B48, lug mt w/tach, 315w	Single	-
RCTA054	RCT85-7504S-ODP-D02BS-2	4p, B48, ACW, DE, lug mt, 1ph w/tach, 750w	Single	-
RCTA038	RCT85-5004S-ODP-B02BS	4p, 1ph, 48f, w/ 9pin plug, 500w	Single	BCB 8554PVA-A14

Horizontal Resilient-Mount Motors (Evaporative Cooler Motors)

- Evaporative Cooler Motor - 2 Speed - V Speed - 3 Speed. The Evaporative cooler range is designed for reliability and performance for the evaporative cooler motor industry.



Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTI043	S.60A2CG	4P, Res Mnt, 2 Evap Spd 240V, 600W	Single	-
RCTI044	S.75A2CG	4P, Res Mnt, 2 Evap Speed 240V, 750W	Single	-
RCTI039	S.75AVCG	4P, Res Mnt, V Speed Evap 240V, 750W	Single	-
RCTI066	S1.1AVCG	4P, Res Mnt, V Speed Evap 240V, 1100W	Single	-
RCTI067	S1.5AVCG	4P, Res Mnt, V Speed Evap 240V, 1500W	Single	-
RCTI037	S.60A3CG	4P, Res Mnt, 3 Speed 240V, 600W	Single	809455PVB-B13S
RCTI038	S.75A3CG	4P, Res Mnt, 3 Speed 240V, 750W	Single	809455QVB-B13S

Motors & Rewinding

RCT90 Series Double Shaft Resilient Mount Fan Motors

- Designed for high volume variety of air applications.

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Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA028	RCT90-11004DS-ODP-C02	1HP, 1PH, 4P, 1420/3SP, 920W	Double	CT90-55110V-C02

RCT85 Series Double Shaft Blower Motors

- Designed for a variety of air movement applications including reverse cycle air conditioning units and circulation fan systems.

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Engineering Supplies Part Number	Royce Cross Group Part Number	Description	Shaft	Equivalent
RCTA019	RCT85-804DS-TE-C02	1/10HP, 1PH, 4P, 1350/2SP, 80W	Double	CT85-55008T-C02
RCTA020	RCT85-1004DS-ODP-C02	1/8HP, 1PH, 4P, 1370/2SP, 100W	Double	CT85-55010V-C02
RCTA021	RCT85-1304DS-ODP-C02	1/6HP, 1PH, 4P, 1370/3SP, 130W	Double	CT85-55013V-C02
RCTA022	RCT85-2504DS-ODP-C02	1/3HP, 1PH, 4P, 1300/3SP, 250W	Double	CT85-55025V-C02
RCTA023	RCT85-3154DS-ODP-C02	1/2HP, 1PH, 4P, 1350/3SP, 315W	Double	CT85-55031V-C02
RCTA024	RCT85-6004DS-ODP-C02	3/4HP, 1PH, 4P, 1330/3SP, 600W	Double	CT85-55060V-C02
RCTA025	RCT85-7504DS-ODP-C02	1HP, 1PH, 4P, 1360/3SP, 750W	Double	CT85-55075V-C02
RCTA026	RCT85-406DS-TE-C02	1/20HP, 1PH, 6P, 900/3SP, 40W	Double	CT85-57004T-C02
RCTA027	RCT85-2006DS-ODP-C02	1/4HP, 1PH, 6P, 890/3SP, 200W	Double	CT85-57020V-C02

Motors & Rewinding

Electric Motors - 1PH CS/CR Series

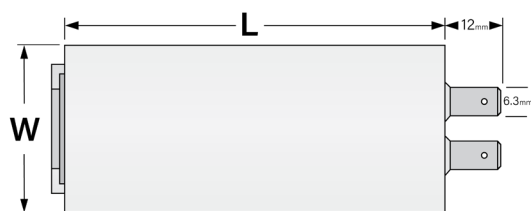
- Available on request - RCTM



Motors & Rewinding

400 Vac Motor Run Capacitors

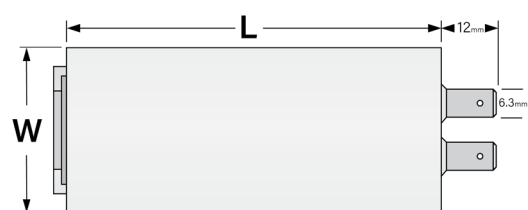
- Icar Ecofill WB Series
- 400v Class B: 10,000 h
- 450v Class C: 3,000 h
- Termination:** 6.3mm Double Quick Connect Terminals



Part Number	Capacitor UF	Case Size (W x H + 12mm Pins) (mm)
MRC40016	16	35 x 71
MRC40020	20	40 x 71
MRC40025	25	45 x 71
MRC40030	30	45 x 71
MRC40035	35	45 x 91
MRC40040	40	45 x 91
MRC40045	45	45 x 91
MRC40050	50	45 x 116
MRC40060	60	45 x 116
MRC40070	70	50 x 116
MRC40075	75	50 x 116
MRC40080	80	55 x 116
MRC40090	90	55 x 116

450 Vac Motor Run Capacitors

- Icar Ecofill MLR 25 PRL Series
- 400v Class A: 30,000 h
- 450v Class B: 10,000 h - 500v Class D: 1,000 h
- Termination:** 6.3mm Double Quick Connect Terminals



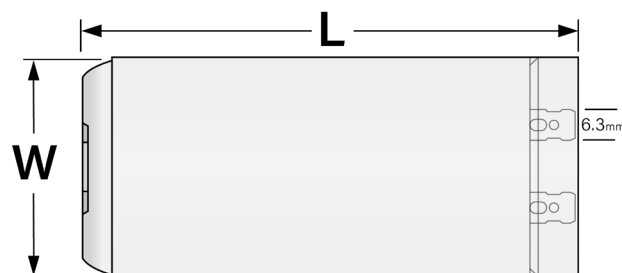
Part Number	Capacitor UF	Case Size (W x H + 12mm Pins) (mm)
MRC45001	1	30 x 51
MRC45001.5	1.5	30 x 51
MRC45002	2	30 x 51
MRC45002.5	2.5	30 x 51
MRC45003	3	30 x 51
MRC45003.5	3.5	30 x 51
MRC45004	4	30 x 51
MRC45005	5	30 x 71
MRC45006	6	30 x 71
MRC45007	7	30 x 71
MRC45008	8	30 x 71
MRC45010	10	35 x 71
MRC45012	12	35 x 71

450 Vac Motor Run Capacitors - Continued

Part Number	Capacitor UF	Case Size (W x H + 12mm Pins) (mm)
MRC45012.5	12.5	40 x 71
MRC45014	14	40 x 71
MRC45015	15	40 x 71
MRC45016	16	45 x 71
MRC45018	18	45 x 71
MRC45020	20	45 x 71
MRC45022	22	45 x 91
MRC45025	25	45 x 91
MRC45030	30	45 x 116
MRC45035	35	45 x 116
MRC45040	40	50 x 116
MRC45045	45	50 x 116
MRC45050	50	55 x 116
MRC45060	60	55 x 116
MRC45090	90	55 x 116

BMI Type 92A AC Motor Start Capacitors

- Operational Temperature:** -40 to +65°C
- Capacitance Tolerance:** -0%+20%
- Termination:** 6.3mm Double Quick Connect Terminals



Part Number (125 - 156 VAC)	Capacitor UF	Case Size (W x H) (mm)
MSC125108	108 - 130	37 x 70
MSC125124	124 - 149	37 x 70
MSC125130	130 - 156	37 x 70
MSC125145	145 - 175	37 x 70
MSC125161	161 - 193	37 x 70
MSC125189	189 - 227	37 x 86
MSC125216	216 - 259	37 x 86
MSC125243	243 - 292	37 x 86
MSC125270	270 - 324	37 x 86
MSC125340	340 - 408	46 x 86
MSC125400	400 - 480	46 x 86
MSC125800	800 - 900	65 x 111

Motor Start Capacitors continued next page ---->

Motors & Rewinding

Motor Start Capacitors - Continued

Part Number (165 - 200 VAC)	Capacitor UF	Case Size (W x H) (mm)
MSC165088	88 - 108	37 x 70
MSC165125	124 - 149	37 x 70
MSC165149	149 - 165	37 x 86
MSC165161	161 - 193	46 x 86
MSC165216	216 - 259	46 x 86
MSC165243	243 - 292	46 x 86
MSC165250	250 - 300 +Resistor	46 x 111
Part Number (220 - 275 VAC)	Capacitor UF	Case Size (W x H) (mm)
MSC220021	21 - 25	37 x 70
MSC220025	25 - 30	37 x 70
MSC220030	30 - 36	37 x 70
MSC220036	36 - 43	37 x 70
MSC220043	43 - 53	37 x 86
MSC220047	47 - 56	37 x 86
MSC220053	53 - 64	37 x 70
MSC220064	64 - 77	46 x 86
MSC220080	80 - 96	46 x 86
MSC220088	88 - 108	46 x 86
MSC220108	108 - 130	46 x 86
MSC220124	124 - 149	46 x 86
MSC220130	130 - 156	46 x 86
MSC220145	145 - 175	46 x 86
MSC220161	161 - 193	46 x 86
MSC220192	192 - 228	46 x 86
MSC220200	200 - 240	46 x 86
MSC220216	216 - 260	65 x 111
MSC220233	233 - 280	53 x 86
MSC220270	270 - 324	53 x 111
MSC220324	324 - 389	65 x 111
MSC220340	340 - 408	65 x 111
Part Number (330 VAC)	Capacitor UF	Case Size (W x H) (mm)
MSC330030	30 - 36	37 x 86
MSC330036	36 - 43 +Resistor	37 x 86
MSC330043	43 - 53	37 x 86
MSC330047	47 - 56 +Resistor	46 x 86
MSC330064	64 - 77 +Resistor	46 x 86
MSC330088	88 - 108 +Resistor	46 x 86
MSC330120	120 - 144 +Resistor	53 x 111
MSC330130	130 - 156 +Resistor	53 x 111
MSC330161	161 - 193 +Resistor	53 x 111
MSC330192	192 - 228 +Resistor	53 x 111
MSC330216	216 - 260 +Resistor	65 x 111
MSC330270	270 - 324 +Resistor	46 x 111

Plastic
Stud
PS8



Metal
Stud
MS8



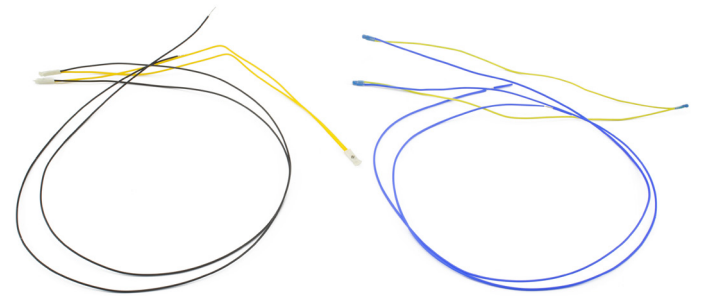
Plastic Covers for Capacitors



Part Number	Inside OD	Case Size (W x H) (mm)
PC30	30mm	32 x 50
PC35	35mm	37 x 40
PC40	40mm	42 x 45
PC45	45mm	47 x 49
PC50	50mm	52 x 67

Triple Thermistors

- Characteristics according to DIN 44081/44082
- Miniature Design, only 3mm in diameter
- Robust construction
- Cold resistance < 250 OHM, other values upon request



Part Number	Nominal Response Temperature (C°)	Color Code Of Connected Leads
TH090	90	Green, Green
TH100	100	Red, Red
TH110	110	Brown, Brown
TH115	115	Blue, Green
TH120	120	Grey, Grey
TH130	130	Blue, Blue
TH140	140	White, Blue
TH145	145	White, Black
TH150	150	Black, Black
TH155	155	Blue, Black
TH160	160	Blue, Red
TH170	170	White, Green
TH180	180	White, Red

Thermik Thermal Protectors(Micro-therms) next page



Motors & Rewinding

Thermik Thermal Protectors (Micro-therms)

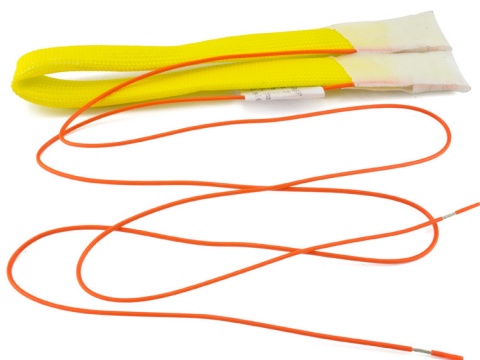
- Thermal Overload Protectors
- 300mm Leads
- Robust construction
- 2.5 amps - 10°C steps from 80°C to 170°C



Part Number	Nominal Response Temperature (C°)
TP140D	140
TP150D	150

Anti-Condensation Heaters

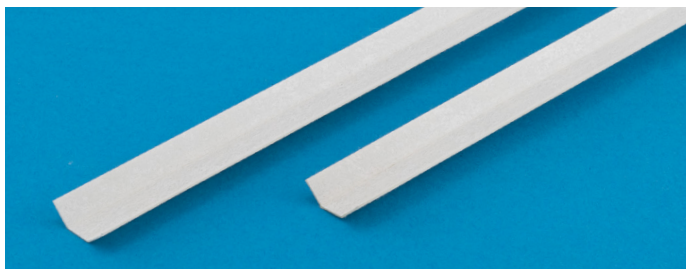
- Rated 220v
- Glass Fibre Braid Insulation
- Robust construction



Part Number	Watts	Length (mm)
ACH8W203	8w	203mm
ACH21W686	21w	686mm
ACH25W305	25w	305mm
ACH25W432	25w	432mm
ACH26W762	26w	762mm
ACH40W686	40w	686mm
ACH42W1016	42w	1016mm
ACH54W1067	54w	1067mm
ACH65W1476	65w	1476mm
ACH99W1702	99w	1702mm

Nomex Slot Wedges

- Square Formed -100m



Part Number	Insulation Thickness (mm)	Width (mm)	Height (mm)
NPNSC11	0.36	2.5	4.25
NPNSC14	0.36	4.0	5.0
NPNSC17	0.48	5.5	5.75
NPNSC20	0.48	7.0	6.5

DMD Slot Closures

- Square Formed -100m



Part Number	Insulation Thickness (mm)	Width (mm)	Height (mm)
DMDR08	0.35	3.6	3.3
DMDR10	0.35	3.9	3.7
DMDR12	0.35	5.0	4.3
DMDR15	0.35	6.4	5.6
DMDR24	0.45	9.0	9.0
DMDR28	0.45	13.0	9.0
DMDR32	0.45	16.0	10.0

Half Round Wood Slot Sticks

- Wood - 100m



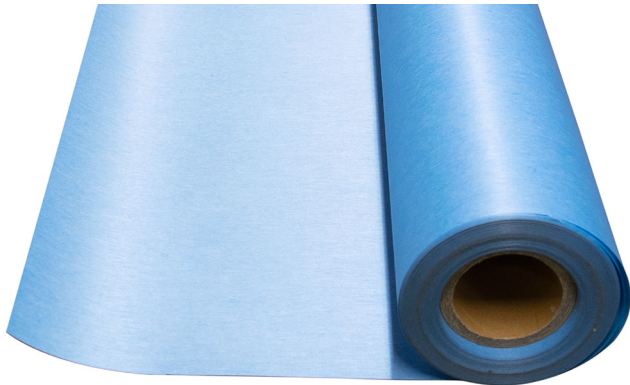
Part Number	Imperial Size	Metric Size (mm)
HRS0317	1/8"	3.17
HRS0396	5/32"	3.96
HRS0476	3/16"	4.76
HRS0555	7/32"	5.55
HRS0634	1/4"	6.34
HRS0793	5/16"	7.93
HRS0952	3/8"	9.52
HRS1270	1/2"	12.7



Motors & Rewinding

Dacron + Mylar + Dacron (DMD) Insulations

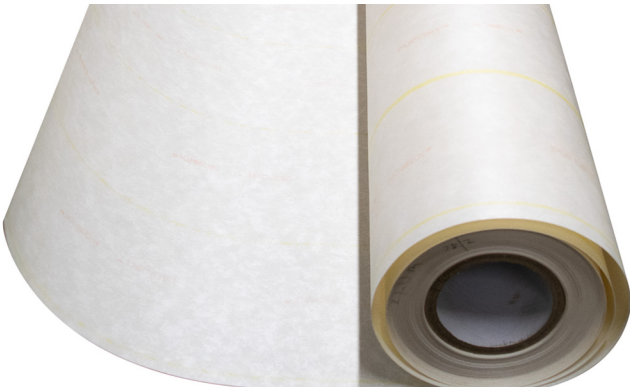
- Class "F" 155°C
- 100% Vanish Saturated



Part Number	Size Description D-M-D	Size (mm)	Roll Length (980mm Width) *Can Be Cut Per Meter*
DMD0222	2-2-2	0.15	50m
DMD0333	3-3-3	0.23	50m
DMD0353	3-5-3	0.27	50m
DMD0555	5-5-5	0.38	50m

Nomex + Mylar + Nomex (NMN) Insulations

- Class "H" 180°C



Part Number	Size Description N-P-N	Size (mm)	Roll Length (980mm Width) *Can Be Cut Per Meter*
NPN0222	2-2-2	0.15	50m
NPN0333	3-3-3	0.23	50m
NPN0353	3-5-3	0.27	50m
NPN0555	5-5-5	0.38	50m

A3140 Glass Adhesive Tape

- Rated to 155°C
- Glass Reinforced Polyester



Part Number	Imperial Size	Metric Size (mm)	Roll Size
GAT12	1/2"	12	50m
GAT18	3/4"	18	50m
GAT24	1"	24	50m

A3020 Polyester Film Tape

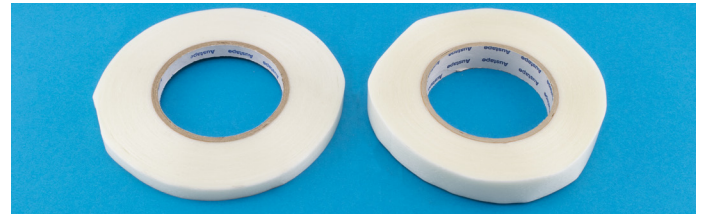
- Rated to 130°C
- Class "B" Yellow



Part Number	Imperial Size	Metric Size (mm)	Roll Size
PFT12	1/2"	12	66m
PFT18	3/4"	18	66m
PFT24	1"	24	66m

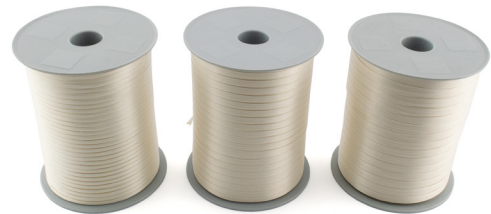
Vidatape Type C

- Produced from a plain weave of "E" glass yarns
- Max short term temperature: 500°C



Part Number	Tape Thickness	Metric Size (mm)	Roll Size
GLS25175	0.175	25	50m
GLS50175	0.175	50	50m

RTA Tying String



Part Number	Imperial Size	Metric Size (mm)	Roll Size
TYS2.0RT4	0.078"	2.0	1800m
TYS3.0RT6	0.12"	3.0	1000m
TYS4.0RT8	0.16"	4.0	800m
TYS5.0RT11	0.19"	5.0	500m
TYS7.0RT14	0.27"	7.0	400m
TYS8.0RT16	0.31"	8.0	350m

Kapton Film Tape



Part Number	Imperial Size	Metric Size (mm)	Roll Size
KFT12	1/2"	12	33m
KFT18	3/4"	18	33m
KFT24	1"	24	33m

Motors & Rewinding

Round Enameled Copper Magnet Wire

- Polyester Imide - amide imide Class C 200°C
- Polyurethane (P.U.R) Class E 130°C



Part Number	(mm)	(mm ²)	Weights Range *Please note weights vary day to day*	Meters / Kilogram
0.125PE2	0.125	0.012277	1 - 6kg	9166
0.140PE2	0.140	0.015340	1 - 6kg	7310
0.160PE2	0.160	0.02014	1 - 6kg	5583
0.170PE2	0.170	0.02271	1 - 6kg	4955
0.180PE2	0.180	0.02540	3 - 6kg	4429
0.190PE2	0.190	0.02836	3 - 8kg	3967
0.200PE2	0.200	0.03143	3 - 8kg	3580
0.212PE2	0.212	0.03575	3 - 8kg	3146
0.224PE2	0.224	0.03942	3 - 8kg	2854
0.236PE2	0.236	0.04376	3 - 8kg	2571
0.250PE2	0.250	0.04911	3 - 8kg	2291
0.265PE2	0.265	0.05518	3 - 8kg	2039
0.300PE2	0.300	0.07071	4 - 10kg	1591
0.315PE2	0.315	0.07791	4 - 10kg	1443
0.335PE2	0.335	0.08818	4 - 10kg	1276
0.355PE2	0.355	0.09902	4 - 10kg & 19 - 24kg	1136
0.375PE2	0.375	0.1111	4 - 10kg & 19 - 24kg	1016
0.400PE2	0.400	0.1257	4 - 10kg & 19 - 24kg	895
0.425PE2	0.425	0.1419	4 - 10kg & 19 - 24kg	793
0.450PE2	0.450	0.1591	4 - 10kg & 19 - 24kg	707
0.475PE2	0.475	0.1773	4 - 10kg & 19 - 24kg	635
0.500PE2	0.50	0.1964	4 - 10kg & 19 - 24kg	573
0.530PE2	0.53	0.2207	4 - 10kg & 19 - 24kg	510
0.560PE2	0.56	0.2464	4 - 10kg & 19 - 24kg	459
0.600PE2	0.60	0.2829	4 - 10kg & 19 - 24kg	426
0.630PE2	0.63	0.3118	4 - 10kg & 19 - 24kg	361
0.670PE2	0.67	0.3527	4 - 10kg & 19 - 24kg	319
0.710PE2	0.71	0.3960	12 - 16kg & 19 - 24kg	283
0.750PE2	0.75	0.4420	17 - 24kg	255
0.800PE2	0.80	0.5029	17 - 24kg	224
0.850PE2	0.85	0.5677	10 - 14kg & 19 - 24kg	198
0.900PE2	0.90	0.6364	19 - 26kg	177
0.950PE2	0.95	0.7091	19 - 26kg	159
1.00PE2	1.0	0.7857	19 - 26kg	143
1.060PE2	1.06	0.8828	10 - 14kg & 19 - 26kg	127

Round Enameled Copper Magnet Wire - Continued

Part Number	(mm)	(mm ²)	Weights	Mts / KG
1.120PE2	1.12	0.9856	10 - 14kg & 19 - 26kg	114
1.180PE2	1.18	1.094	10 - 14kg & 19 - 26kg	103
1.250PE2	1.25	1.228	10 - 14kg & 19 - 26kg	91.70
1.320PE2	1.32	1.369	10 - 14kg & 19 - 26kg	82.20
1.400PE2	1.40	1.540	19 - 26kg	73.00
1.500PE2	1.50	1.768	19 - 26kg	63.70
1.600PE2	1.60	2.011	19 - 26kg	56.00
1.700PE2	1.70	2.271	19 - 26kg	49.60
1.800PE2	1.80	2.545	19 - 26kg	44.20
1.900PE2	1.90	2.836	19 - 26kg	39.70
2.000PE2	2.00	3.143	37 - 43kg	35.80
2.120PE2	2.12	3.531	31 - 38kg	31.90
2.240PE2	2.24	3.942	31 - 38kg	28.50
2.360PE2	2.36	4.376	31 - 38kg	24.60
2.500PE2	2.50	4.911	31 - 38kg	22.90
2.650PE2	2.65	5.518	31 - 38kg	20.40
2.800PE2	2.80	6.160	31 - 38kg	18.30
3.000PE2	3.00	7.707	31 - 38kg	15.90
3.150PE2	3.15	7.800	31 - 38kg	14.40
3.350PE2	3.35	8.810	31 - 38kg	12.75
3.550PE2	3.55	9.902	31 - 38kg	11.36

Rectangular Enameled Copper Magnet Wire

- Polyester Imide - amide imide Class C 200°C



Part Number	Dimensions	Weight / Reel
2.00X04.00CS	2.00mm x 4.00mm (8mm)	45kg
2.00X05.00CS	2.00mm x 5.00mm (10mm)	45kg
2.00X06.00CS	2.00mm x 6.00mm (12mm)	45kg
2.00X07.00CS	2.00mm x 7.00mm (14mm)	45kg
2.00X08.00CS	2.00mm x 8.00mm (16mm)	45kg
2.00X10.00CS	2.00mm x 10.00mm (20mm)	45kg
2.45X12.70CS	2.45mm x 12.70mm (31.1)	60kg

Rectangular Wire - Continued Next Page ---->

Motors & Rewinding

Rectangular Wire - Continued

Part Number	Dimensions	Weight / Reel
2.50X05.00CS	2.50mm x 5.00mm (12.50mm)	45kg
2.50X06.00CS	2.50mm x 6.00mm (15mm)	45kg
2.50X08.00CS	2.50mm x 8.00mm (20mm)	45kg
2.50X10.00CS	2.50mm x 10.00mm (25mm)	45kg
3.00X06.00CS	3.00mm x 6.00mm (18mm)	60kg
3.00X08.00CS	3.00mm x 8.00mm (24mm)	60kg
3.00X10.00CS	3.00mm x 10.00mm (30mm)	60kg
3.00X12.00CS	3.00mm x 12.00mm (36mm)	60kg
3.15X06.30CS	3.15mm x 6.30mm (19.85mm)	60kg
4.00X08.00CS	4.00mm x 8.00mm (32mm)	60kg
4.00X10.00CS	4.00mm x 10.00mm (40mm)	60kg
4.00X12.00CS	4.00mm x 12.00mm (48mm)	60kg



Ultimeg 2000/372 Spray Cans & Drums

- Anti-tracking varnishes and enamels provide a tough, impervious, insulating seals in difficult environments



Part Number	Color	Tin Size
ULT372/BLK/SPRAY	Black	400ml Spray
ULT372/CLR/SPRAY	Clear	400ml Spray
ULT372/GRY/SPRAY	Grey	400ml Spray
ULT372/RED/SPRAY	Red	400ml Spray
ULT372/WHT/SPRAY	White	400ml Spray
ULT372RD/5	Red	5L Drum
ULT372RD/25	Red	25L Drum

Xylene

- Thinner



Part Number	Tin Size
XTA20	20L

Ultimeg 2000/380 Drums

- Alkyd phenolic which produces tough resilient insulating films with excellent electrical and bond strength at all operating temperatures up to 180°C



Part Number	Color	Tin Size
ULT380/25	Clear	25L Drum
ULT380HF/25	Clear	25L Drum
ULT380HF/210	Clear	25L Drum

*HF (High Flash)

SPS

PAP

FAB

EGS

Switch Board Content

PAPER PHENOLIC INSULATING SWITCH PANEL



P. **93**

PAPER BASED INDUSTRIAL LAMINATES GRADE 2



P. **93**

FABRIC BASES INDUSTRIAL LAMINATES GRADE F2



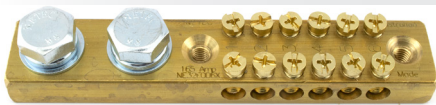
P. **94**

3240 EPOXY PHEONOLIC GLASS CLOTH LAMINATES



P. **94**

NEUTRAL EARTH BAR



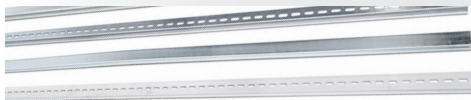
P. **94**

RED STANDOFF INSULATORS



P. **95**

DIN RAIL



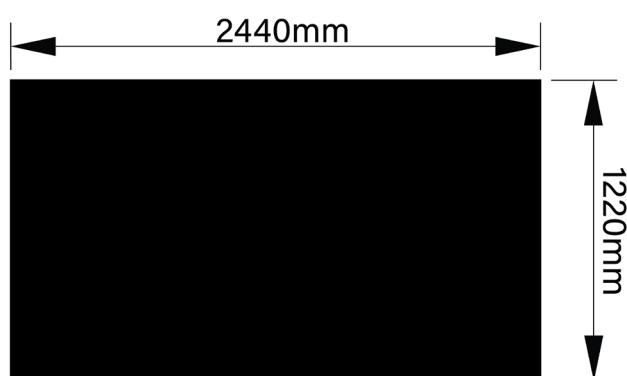
P. **95**

Switch Board

Paper Phenolic Insulating Switch Panel

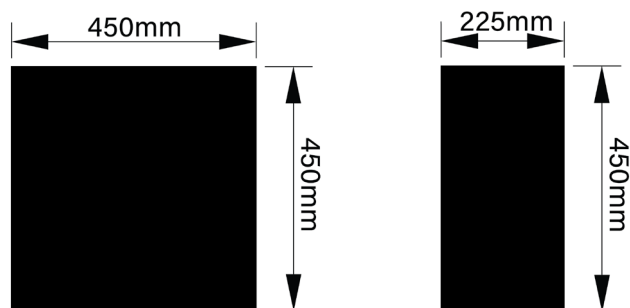
These are phenolic Resin impregnated Paper Base Laminated Switch Panels manufactured specially as per Australian Std. AS 1795 - 1983 (Type X) for Electrical Insulation. This is an asbestos free material and can be easily sawn, drilled and tapped without any undue chipping or any sign of splitting cracking or delamination.

- Black switch panel
- Can be cut to size
- Full sheet size 2440mm x 1220mm



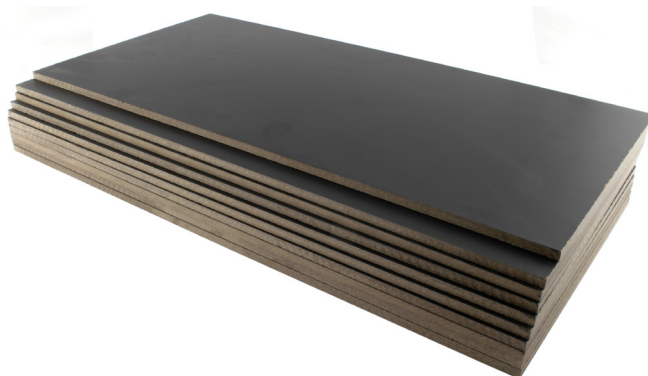
Part Number	Sheet Thickness (mm)
SPS04.5	4.5
SPS06	6.0
SPS08	8.0
SPS10	10.0
SPS12	12.0
SPS15	15.0

Standard Pre-Cut Sizes



Part Number	Dimensions (mm)	Sheet Thickness (mm)
SPS04.5P	450 x 225	4.5
SPS04.5PA	450 x 450	4.5
SPS06P/2	450 x 225	6.0
SPS06P/1	450 x 450	6.0

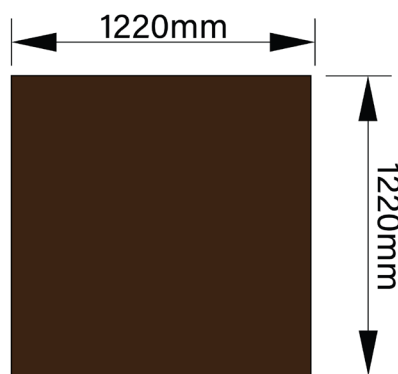
We can cut black Switch Panel & Paper Panel to your custom size! Give us a call on 08 9258 8444 for pricing. Give us a call on 08 9258 8444 for pricing and lead times.



Paper Based Industrial Laminates Grade 2

These are Paper Based Laminates conforming to specification as per IS:2036, Grade P2. These Laminates are having good Mechanical Properties and better Electrical Properties, than P1 and are especially suitable for Power Electrical Industry for High voltage applications at power frequencies. High electric strength under oil. Good electric strength in air under normal humidity.

- Brown paper panel
- Can be cut to size
- Full sheet size 1220mm x 1220mm



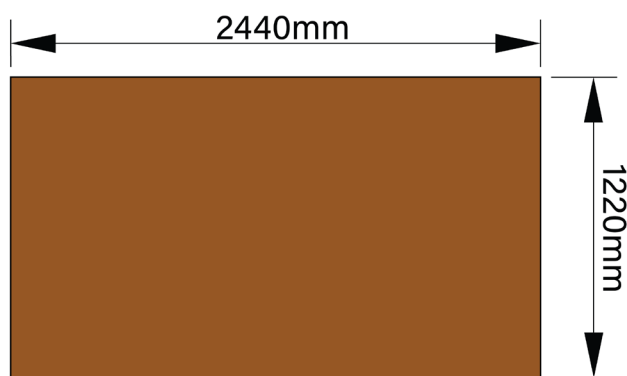
Part Number	Sheet Thickness (mm)	Sheet Weight (kg)
PAP03.2N	3.2	6.45
PAP06.4N	6.4	12.9
PAP08.0N	8.0	17.2
PAP10.0N	10.0	21.61
PAP12.0N	12.0	25.8
PAP16.0N	16.0	34.4
PAP20.0N	20.0	43
PAP25.0N	25.0	53.75

Switch Board Content

Fabric Based Industrial Laminates Grade F2

F2 Grade material is manufactured from medium weaved, cotton Fabric. The material of this grade has a superior machining and punching properties and better resistance of chemicals. Recommended for small parts.

- Brown fabric panel
- Can be cut to size
- Full sheet size 2440mm x 1220mm



Part Number	Sheet Thickness (mm)	Sheet Weight (kg)
FAB00.8	0.8	1.6
FAB01.5	1.5	3.2
FAB03.0	3.0	6.45
FAB05.0	5.0	10.8
FAB06.3	6.3	12.9
FAB10.0	10.0	21.50
FAB12.0	12.0	25.8
FAB16.0	16.0	34.4
FAB19.0	19.0	43
FAB25.0	25.0	53.75

Neutral Earth Bars

- 2 x m8 studs & 2 screws
- E/NFEET sold separately (black PVC feet)

TERMCO

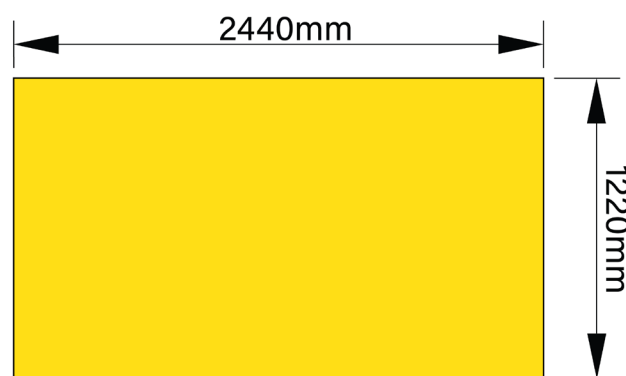


Part Number	Ways
TEBM8-6W	6
TEBM8-12W	12
TEBM8-18W	18
TEBM8-24W	24
TEBM8-36W	36
TEBM8-42W	42
TEBM8-48W	48
TEBM8-72W	72

3240 Epoxy Phenolic Glass Cloth Laminates

3240 Epoxy Phenolic Glass Cloth Base Rigid Laminated Sheet consists of alkali-free woven glass cloth impregnated and bonded with an epoxy phenolic thermosetting resin, laminated under high temperature and pressure. With a high mechanical strength and excellent electric strength, it is intended for electrical motors or electrical equipments as insulating structural components or parts, even under humid condition or in transformer oil. It also passed toxic and hazardous substance detection (SGS Report).

- Yellow Glass cloth panel
- Can be cut to size
- Full sheet size 2440mm x 1220mm



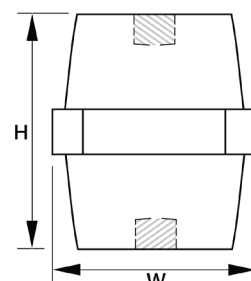
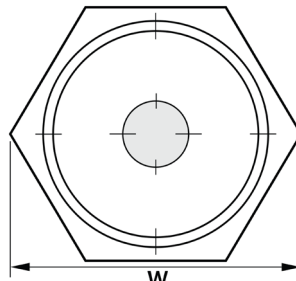
Part Number	Sheet Thickness (mm)
EGS1220244000.5	0.5
EGS1220244001.0	1.0
EGS1220244001.5	1.5
EGS1220244002.0	2.0
EGS1220244002.5	2.5
EGS1220244003.0	3.0
EGS1220244006	6.0
EGS1220244008	8.0
EGS1220244010	10.0
EGS1220244012	12.0
EGS1220244016	16.0
EGS1220244020	20.0
EGS1220244025	25.0



Switch Board

Standoff Insulators

- 660 Volts Rated
- Compression moulded
- Glass Re-enforced Polyester Material
- High Dielectric Strength
- Arc Quenching and Non-tracking
- Quality Finish and Appearance
- Non Flammable
- Wear and Corrosion Resistant
- High Mechanical Strength
- Dimensional Stability
- Moulded In Brass Inserts
- Metric Thread Sizes



Part Number	Stud Size (mm)	Overall Height H (mm)	Diameter W (mm)	Pack Qty
SOIRED25M6	6	25	30	50
SOIRED35M8	8	35	40	25
SOIRED35M10	10	35	40	25
SOIRED40M8	8	40	40	24
SOIRED40M10	10	40	40	24
SOIRED50M8	8	50	50	10
SOIRED50M10	10	50	50	10
SOIRED50M12	12	50	50	10
SOIRED60M10	10	60	55	20
SOIRED60M12	12	60	55	20
SOIRED76M10	10	76	60	20

Din Rail

- Pacified Steel & Aluminium available



Part Number (Slotted Pacified Steel)	Depth (mm)	Length (mm)	Pack Size	Box Size
DR37404	7	2000	20	60
DRD37404	15	2000	20	60
Part Number (Plain Pacified Steel)				
DRP37404	7	2000	20	60
DRDP37404	15	2000	20	60
Part Number (Slotted Aluminium)				
DRA37404	7	2000	20	60

Stain-Proof

STAIN-PROOF IMPREGNATING SEALER (STAIN PROOF)



P. **97**

COLOR ENHANCING SEALER (INTENSIFIA)



P. **97**

40SK CONSOLIDATOR & WATER REPELLENT(40SK)



P. **98**

WATERBORNE DENSE STONE SEALER (META CREME)



P. **98**

ALKALINE CLEANER (OXY-KLENZA)



P. **99**

DAILY FLOOR CLEANER (REJUVENATA ACTIVE)



P. **99**

ACIDIC CLEANER (EFF-ERAYZA)



P. **100**

DAILY COUNTER TOP CLEANER



P. **100**

DENSE STONE IMPREGNATING SEALER (STAIN PROOF PLUS)



P. **100**

Stain-Proof

Stain-Proof Premium Impregnating Sealer (Previous Packaging: Stain-Proof Original)

- Stain-Proof is an impregnating, invisible and breathable sealer.
- Provides protection for natural stone, tiles, pavers, concrete, brick and grout from water and oil based stains.

For more information please visit: <http://www.drytreat.com/sealers/residential/stain-proof.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTSP01	1 Quart or 946 Milliliters
DRYTSP05	1 Gallon or 3.79 Litres
DRYTSP20	5 Gallon or 18.9 Litres

Stain-Proof Color Enhancing Sealer (Previous Packaging: Dry-Treat Intensifia)

- Intensifia is the ultimate combination of enhancer and sealer.
- Natural stone, masonry and other hard porous materials will have deep, longer lasting color enrichment and premium water and oil-based stain protection.

For more information please visit: <http://www.drytreat.com/sealers/residential/intensifia.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTINT01	1 Quart or 946 Milliliters
DRYTINT05	1 Gallon or 3.79 Liters

Stain-Proof

Stain Proof 40SK Consolidator & Water Repellent (Previous Packing: Dry-Treat 40SK)

- 40SK is an impregnating, invisible and breathable sealer.
- Provides protection for porous tile, natural stone, brick, terracotta, paving and grout from water and salts.

For more information please visit: <http://www.drytreat.com/sealers/residential/40sk.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYT40SK05	1 Gallon or 3.79 Litres
DRYT40SK20	5 Gallon or 18.9 Litres

Stain-Proof Waterborne Dense Stone Sealer (Previous Packing: Dry-Treat Meta Creme)

- The next generation of sealing technology, the ultimate breathable impregnating sealer.
- Protection for natural stone, tiles, masonry, pavers, concrete and grout.

For more information please visit: <http://www.drytreat.com/sealers/residential/meta-creme.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTMETAC01	1 Quart or 946 Millilitres
DRYTMETAC10	2.5 Gallon or 9.46 Litres

Stain-Proof

Stain-Proof Alkaline Cleaner (Previous Packing: Dry-Treat Oxy-Klenza Cleaner)

- Odorless, powerful triple action, oxygen, alkaline and detergent boosted heavy duty cleaner.
- For removing general grime and stains caused by oil / grease, mold, leaf marks, food and beverages.

For more information please visit: <http://www.drytreat.com/cleaners/regular/hanafinn-oxy-klenza.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTHFOXKL01	1 KG
DRYTHFOXKL10	10 KG

Stain-Proof Daily Floor Cleaner (Previous Packing: Dry-Treat Rejuvenata Active)

- Powerful, natural active enzyme cleaner concentrate for both heavy duty and light duty cleaning.
- For use on Natural stones, tiles, grout, brick and other hard surfaces removing general grime and stains.

For more information please visit: <http://www.drytreat.com/cleaners/regular/hanafinn-rejuvenata-active.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTREJUVAC01	1 Quart or 946 Millilitres

Stain-Proof

Stain-Proof Acidic Cleaner (Previous Packing: Dry-Treat Eff-Erayza)

- Very powerful and generally more effective to use than traditional industrial acids.
- Cleaner for removing efflorescence, rust stains, limescale, grout haze, motor mess and fireplace soot.

For more information please visit: <http://www.drytreat.com/cleaners/regular/hanafinn-eff-erayza.html>



Engineering Supplies Part Number	Bottle/Drum Size
DRYTEFFE01	1 Quart or 946 Milliliters

Counter Top Sprays & Bottles Also Available on request



Tools - Content

#00 Copper Lugs & Links Crimper



P. **102**

#102 Pre-insulated Terminal Crimper



P. **102**

#112 Bootlace Terminal Crimper



P. **102**

CRIMPFOX-RCI 6-M Crimper



P. **102**

CRIMPFOX 10S Crimping Pliers



P. **102**

#147A Terminal Crimper and Wire Stripper & Cutter



P. **102**

#20 Mechanical Copper Lug & Link Crimper



P. **103**

#21 Medium Mechanical Copper Lug & Link Crimper



P. **103**

#22 Large Mechanical Copper Lug & Link Crimper



P. **103**

#38C Hydraulic Copper Lug & Link Crimper



P. **103**

MICROFOX-SP_DB Electronic Diagonal Cutter



P. **103**

CUTFOX 25 VDE_DB Cable Cutter



P. **103**

CUTFOX-S VDE_DB Diagonal Cutter



P. **104**

CUTFOX-ES Electrician's Scissors



P. **104**

CUTFOX 12_DB Cable Cutter



P. **104**

#110 Small Parrot Beak Cable Cutter



P. **105**

#108 Gear Driven Large Cable Cutter



P. **105**

#140 Medium Parrot Beak Cable Cutter



P. **105**

#141 Large Parrot Beak Cable Cutter



P. **106**

#106 Coaxial and Single Wire Conductor Stripper



P. **106**

#154 Rotary Action Stripper



P. **106**

WIREFOX-D 11 Stripping Tool



P. **106**

WIREFOX-E 10 Stripping Tool



P. **106**

WIREFOX 10 Stripping Tool



P. **106**

Cable Sheath Ripper



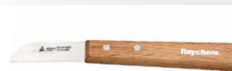
P. **107**

Stripsemicon Tool



P. **107**

Raychem Knife



P. **107**

SF-CCK 9 Control Cabinet Keys



P. **107**

Tools - Content

#00

UTILUX

General purpose pliers for uninsulated copper lugs and links. Simple and robust.



Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#00	0.5 - 10.0	Indent	254

#102

UTILUX

Ratchet type tool for pre-insulated and supergrip terminals. The ratchet ensures a complete crimp every time.



Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#102	0.5 - 5.5	Oval on conductor/Diamond on insulation	254

#112

UTILUX

Ratchet type tool for boot lace terminals. The ratchet ensures a complete crimp every time.



Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#112	0.5 - 10.0	U	230

CRIMPFOX-RCI 6-M

PHENIX CONTACT

Crimping pliers, compact pliers, for symmetrical insulated cable lugs, 0.5 mm² ... 6.0 mm² (red, blue, yellow), three marked die stations, unlockable pressure lock, lateral entry.



Part Number
PC1212730

CRIMPFOX 10S

PHENIX CONTACT

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 10 mm², unlockable pressure lock, lateral entry.



Part Number
PC1212045

#147A

UTILUX

Non ratchet pliers for micro and flag QC open barrel terminals. Features a built in wire stripper and cutter.



Part Number	Crimp Type	Length (mm)
UT#147A	Roll-in for open barrel terminals	210

Tools

#20



Mechanical crimper for copper lugs and links. Dial adjustable crimp depth with cable size indicator.

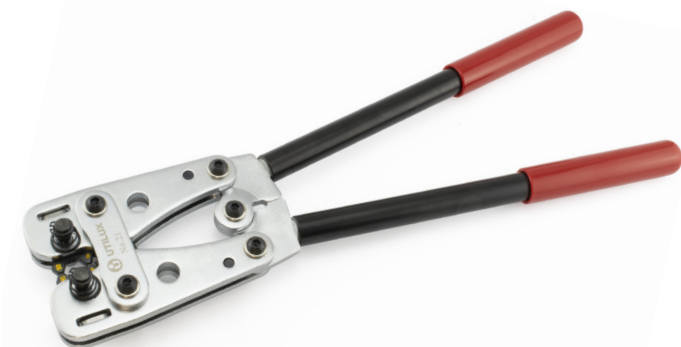


Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#20	16 - 95.0	Indent, depth adjustable	560

#21



Hand operated, mechanical lever tool for copper lugs and links. Features built in, selectable crimp die set for a range of lug and link sizes.



Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#21	6 - 50	Hexagonal	410

#22



Hand operated, mechanical lever tool for copper lugs and links. Features built in, selectable crimp die set for a range of lug and link sizes.



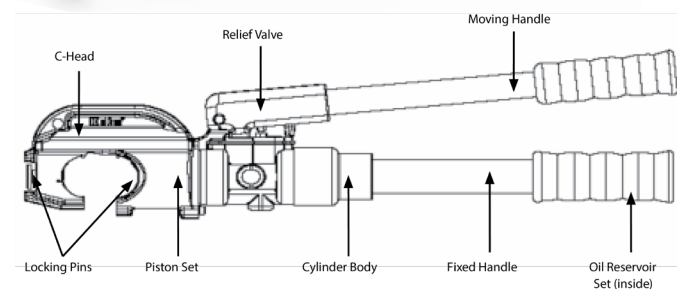
Part Number	Range (mm ²)	Crimp Type	Length (mm)
UT#22	6 - 120	Hexagonal	670

#38C



Heavy duty hydraulic crimper. Die set not included.

- 180° rotating tool head
- Adjustable pressure relief valve for overload protection
- Automatic low/high-pressure conversion with rapid/slow operating motion
- Accepts all Utilux 38 Series crimp dies



Part Number	Max Output	Crimp Type	Length (mm)
UT#38C	12 ton	Hexagonal	590

MICROFOX-SP_DB



Electronic diagonal cutter, with opening spring, tapered head, angled (21°), without chamfer.



Part Number
PC1212806

CUTFOX 25 VDE_DB



Cable cutter, precision blade with macro-notching, for copper and aluminum up to 70 mm², VDE 1000 V AC/1500 V DC tested.



Part Number
PC1212791

Tools

CUTFOX-S VDE_DB



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested, type of packaging: with holder for sales display (backcard).



Part Number
PC1212790

CUTFOX-ES



Electrician's scissors, high cutting performance thanks to micro-serrated cutting area, suitable for copper, aluminum, Kevlar fibers, and plastic, two-component non-slip soft-grip handles, ergonomic design, adjustable screw joint.



Part Number
PC1212621

CUTFOX 12_DB



Cable cutter, for copper and aluminum up to 12 mm in diameter (up to 35 mm²).



Part Number
PC1212788

#110



Small single hand operated parrot beak style cutter, ideal for general applications. Precision blades make this tool ideal for cutting flexible copper cables.



Part Number	Length (mm)
UT#110	240

#108



Gear driven large capacity ratchet cable cutter, with rapid blade advance. Robust forged construction cuts up to 400mm² single core copper cable. Not suitable for steel.



Part Number	Length (mm)
UT#108	260

#140



Parrot beak style cable cutter for copper and aluminium conductors up to 240mm².



Part Number	Length (mm)
UT#140	610

Tools

#141

Parrot beak style cable cutter for copper and aluminium conductors up to 500mm².

UTILUX



Part Number	Length (mm)
UT#141	805

#106

Coaxial and single conductor wire stripper

UTILUX



Part Number	Length (mm)
UT#106	125

#154

Rotary action cable stripper



Part Number	Range (O.D mm)	Length (mm)
UT#154	4.5 - 45	135

WIREFOX-D 11

Stripping tool, for stripping multicore signal, control and fiberglass wires of Ø 2.5 - 11 mm. Insulation thickness up to 1 mm.

PHENIX CONTACT



Part Number
PC1212160

WIREFOX-E 10

Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade.

PHENIX CONTACT



Part Number
PC1212706

WIREFOX 10

Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade.

PHENIX CONTACT



Part Number
PC1212150

Tools

HRIPS

Cable Sheath Ripper



Part Number
RIPPER

Stripsemicon Tool

Stripsemicon Bonded



Part Number	Range (mm)
HVIA-TOOL	35 - 90

Raychem Knife

Wooden handle Raychem knife



Part Number
KNIFE

SF-CCK 9

Control cabinet keys made of metal for all the usual closures: Two-way key bit 3-5 mm, square 5,6,7-8,9-10 mm, triangle 7,8-9,10-11 mm, special 6 mm.

PHENIX CONTACT



Part Number
PC1212525

SZF 1-0,6X3,5

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip.

PHENIX CONTACT



Part Number
PC1204517

SZF 0-0,4X2,5

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip.

PHENIX CONTACT



Part Number
PC1204504

Cembre Hydraulic Cutting Tool



P. **108**

18v Cordless Hydraulic Cable Cutter



P. **108**

Heavy Duty Hydraulic Copper Lug & Link Crimper



P. **108**

18v Cordless Hydraulic Crimper



P. **108**

Rainproof ECODRILL Battery Rail Drill



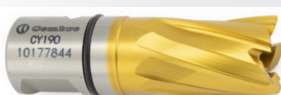
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Petrol Rail Drill



P. **109**

CY Cembre Broach Cutters



P. **109**

Spiral Rail Drill Bits



P. **109**

Portable Electro-hydraulic Pump



P. **110**

Manual Hydraulic Tool



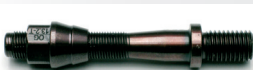
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Hydraulic Head



P. **110**

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P. **110**

Robokatta® Automatic Rail Disc Saw



P. **110**

MG3 Printer



P. **111**

ROLLY3000 Printer



P. **111**

Cembre Printer Accessoires



P. **112**

Cembre - Cutters & Crimpers

Hydraulic Cutting Tool



Hand operated hydraulic tool specifically designed to cut copper, aluminum and telecommunications cables.

- This model is self contained, robust and sturdy
- The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting



Part Number	Cuts	Opening O.D (mm)
HT-TC0851	Aluminium & Copper	85

18.0 V Cordless Hydraulic Cutting Tool



Cordless hydraulic tool specifically designed to cut copper, aluminum and telecommunications cables.

- This model is self contained, robust and sturdy
- The tool features a double speed action: a fast advancing speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting



Part Number	Cuts	Opening O.D (mm)
B-TC500	Aluminium & Copper	85

HT131-C Heavy Duty Hydraulic Crimper



Cembre heavy duty hydraulic crimper. Die set not included.

- 180° rotating tool head
- Adjustable pressure relief valve for overload protection
- Automatic low/high-pressure conversion with rapid/slow operating motion



Part Number	Max Output	Range (mm²)	Length (mm)
HT131-C	12 ton (130 kN)	10-400	473

18V Cordless Hydraulic Crimping Tool



- New Li-Ion 18 V 4 Ah batteries offer a higher capacity than 14.4 V 3 Ah
- A maximum pressure sensor and security valve assure greater precision
- Tool identification, LED state, reset, no. of operational and service crimping cycles



Part Number	Max Output	Weight (kg)	Battery Voltage
B1350-CA	14.87 ton (132 kN)	6.4kg	18 V

Cembre - Rail Drills & Accessories

Rainproof ECODRILL Battery Rail Drill



- Drilling range: Ø 7-33mm
 - Ø 7- 13mm (with Cembre PE range spiral bits)
 - Ø 13 - 33mm (with Cembre CY range broach cutters)
- Max. railweb thickness: 50mm
- Speed of the shaft without load: 260rpm
- Degree of protection (Engine & Battery): IP44M (EN60529)
- Battery: 36v-6.2 Ah Li-Ion with LED charge indicator



Part Number	Drilling Range O.D	Broach Cutters O.D	Battery
LD-16B-RP	7-33mm	13-33mm on tracks up to 50mm	36kV-6.2 Ah Li-Ion

LD-42P Rail Drill



- Use in Railway applications to provide a consistent and accurate hole, in all types of weather conditions.
- Due to their compact size, our drill can save considerable time by allowing direct operation in cases which would normally require the removal of armament
- Petrol Operated



Part Number	Drilling Range O.D	Broach Cutters O.D	Power
LD-42P	7-40mm	13-40mm on tracks up to 50mm	1 kW @ 7000 RPM

CY Broach Cutters



Cembre Broach Cutters are specifically designed for optimum use with Cembre rail drilling machines. CY type cutters are suitable for drilling steel rail quality grades 700-900-1100 (UIC 860.0).



Part Number (Short Range)	O.D (mm)	Part Number (Long Range)	O.D (mm)
CY135	13.5	-	-
CY190	19	-	-
CY220	22	CY220L	22
CY280	28	CY280L	28
CY320	32	CY320L	32

Spiral Rail Drill Bits



Using these bits guarantees optimum performance during the drilling operation. As a guide, under standard conditions, a spiral but can drill 70-100 holes, depending on the hardness of the rail.



Part Number	O.D (mm)
PE80	8
PE130	13
PE135	13.5
PE190	19

Cembre - Pumps & Robokatta

Portable Electro-hydraulic Pump



- Battery operated for independent use
- New Li-Ion 18 V 4 Ah batteries offer a high capacity, while improved operating speed results from a revitalised hydraulic system with double speed action
- Rubber grip inserts, low noise and minimal vibration



Part Number	Crimping	Cutting	Punching
B1300PL-T	Up to 130 kN heads	Up to TC050	RH-FL75 & RH-FC48N

Manual Hydraulic Tool



- Hydraulic tool type HTEP-S, manually operated
- Head connected to the pumping body through a flexible pipe 800mm long



Part Number
HTEP

Hydraulic Head



Part Number
RHTEP
RHTEPE-16

Electro-hydraulic Pump Plunger



Plungers composed of 2 separate items: insert & stem. To rapidly execute subsequent extrusion operations, it is sufficient to unscrew the insert, leaving the stem firmly screwed into the hand.



Part Number	Suits
OG6.5	AR67
OG10.5T-M9	AR66, AR266D-16.5
OG13.2	AR65, AR60D
OG16.2T	AR6516

Robokatta® Automatic Rail Disc Saw



ROBOKATTA® enables automatic rail cutting thanks to the innovative oscillation system integrated in the arm.

Once started, the cut-off machine moves autonomously until it switches off automatically at the end of the rail cut.

The electronic control system stops the machine in the event of an overload and notifies the operator to clean/replace the filters and drive belt.

The radio-controlled stopping device increases the safety of this cut-off machine.

With this product, CEMBRE confirms its focus on risk reduction to protect rail maintenance workers.

ZERO VIBRATION
ZERO PHYSICAL EFFORT
ZERO HARMFUL DUST
ZERO SPARKS
ZERO EXHAUST FUMES
MINIMUM ACOUSTIC NOISE

Design features:

In both manual and automatic modes, **ROBOKATTA®** offers tremendous advantages over other rail saws including:

- 'Expert operator' cutting times and accuracy obtained due to: - Rigorously engineered support arms - Patented self-adjusting belt tension system
- Speed control to optimize disc performance, minimizing consumption and consequently delivering the greatest number of cuts
- Elastic system for vibration damping
- One-piece support arm and hub coupled to the fixing arm provides maximum rigidity and cutting precision
- Metallic disc protection casing with angular regulation device is not affected by vibration, so assures operator security and optimum visibility
- Transportation handle designed to assist motor protection
- Automatic switch off at end of cut
- Automatic alarm for air filter cleaning
- Switch off the machine or reset the air filter cleaning alarm via the Auxiliary switching device supplied



Cembre - Printers MG3

MG3



MARKINGENIUS®MG3 has been exclusively designed by Cembre for the identification of conductors and electrical components in compliance with the CEI 16-7 ed 1997-06.

MARKINGENIUS®MG3 is a high resolution plug&play flat bed printer based on thermal transfer technology, capable of producing tags for cables, pipes and tubes; terminal block markers and legends and labels for all electrical panels, components and equipment. All Cembre MG media can be printed with monocolour Windows True Type fonts at high speed.

MARKINGENIUS®MG3 will also reproduce Clipart images, drawings, barcodes and bitmaps down to very small sizes.

Compact, ergonomic, clean and quiet MARKINGENIUS®MG3 may be conveniently located in an office, like any other computer peripheral.

Each monochrome ribbon can print more than 300,000 MG-TPMF 4x10 mm cable tags. Carriage loading and unloading operations are rapid; templates are easily interchanged and as the pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready to use.



- **TIME/COST EFFECTIVE PRODUCTION:** no warm up, easy loading/unloading of media. Printing cost is not dependent on print density. Each monochrome ribbon can print more than 300,000 MG-TPMF 4x10mm cable tags
- **FAST:** 10 second print cycle, quality checked by the operator
- **CLEAN AND QUIET:** produces no fumes or residue and may be conveniently located in an office
- **PORTABLE AND RUGGED:** unaffected by environmental changes or relocation, suited for on-site application
- **READY TO USE:** dry resin ribbon is clean to touch so printed media are immediately ready to use

ROLLY3000



Robust and quiet, ROLLY3000 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

In addition to the standard USB and Ethernet interfaces, the ROLLY3000 can be connected via a wireless network. The printer is equipped with a mini USB stick that acts as a Wi-Fi antenna.

The printer is delivered complete with power & connection cables, GENIUSPRO software including a universal driver for Windows 7, 8 & 10, 2.4 GHz 802.11b/g/n USB-WLAN stick and a black 842112 printer ribbon.

ROLLY3000 is ideal for printing all Cembre flat material on rolls, eg. cable tags for holders, tie on, wraparound cable markers, legend strips and labels.

ROLLY3000 is designed for optimum single side printing of TERMO-ROLL heat shrinkable tubing and particularly suitable for intensive use of this material in ladder format on a roll.

Maximum print area: 105 mm wide, up to 2 m long.



- **ROBUST AND QUIET**
- **RELIABLE:** intensive operation in an office or factory environment
- **EASY TO SET-UP:** has the facility to optimise printer set-up according to the media selected

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SERVICE TEE CONNECTORS (TYPE STC)



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SERVICE TEE CONNECTORS



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PARALLEL CLAMP (TYPE KA)



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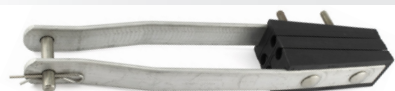
Low Voltage ABC Fittings

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SUSPENSION CLAMPS TYPE IBSC



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SUSPENSION CLAMPS TYPE IBSC



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RAYCHEM GELPORT



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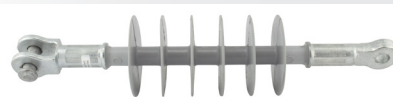
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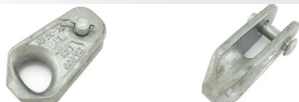
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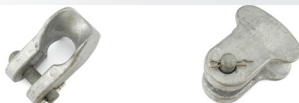
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CLEVIS THIMBLE



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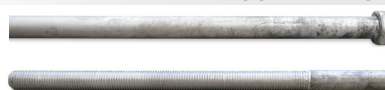
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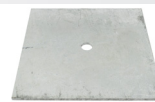
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STAY BOWS



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Earthing

COPPER CLAD THREADED EARTH RODS



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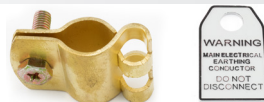
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TWO EYE CABLE STOCKING



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TE CABLE CLAMP & CLEATS



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Heat Shrink Sizes Conversion Chart

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Overhead & Underground

Electrical Jointing Compound H2397 (Alminox)

Recommended for aluminium to aluminium bolted or compression connections. H2397 contains sharp, conductive zinc granules suspended in a viscous petroleum base. Under pressure these granules make high pressure contact points with the parent metal to effect a sound electrical connection, whilst the base material seals the joint to prevent further corrosion. Available in 250g squeeze tubes.



Part Number
H2397

Alvania (ALV300)

Recommended for all bolted connections, such as parallel groove clamps, either aluminium to aluminium, or bi-metal copper to aluminium. When applied immediately after scratch brushing, ALV300 seals the exposed surface to prevent re-oxidation and permanently excludes the future ingress of air and moisture. ALV300 is extremely adhesive, resistant to water and has high temperature resistance to ensure continuous operation under all situations. Catalogue number ALV300, supplied in 225g squeeze tubes.



Part Number
ALV300

Scratch Brushes

The use of a suitable scratch brush to remove any existing oxide film, dirt or grease from the conductor is essential to ensure a sound electrical connection. Utilux produces separate brushes for use on aluminium and copper conductors to prevent transference of metal particles.



Part Number (Aluminium)
DULSB3

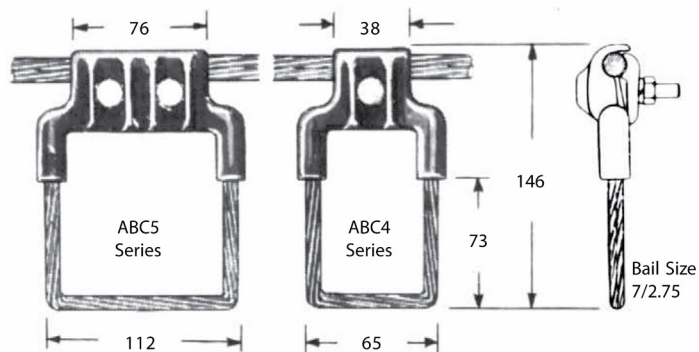


Part Number (Copper)
DULSB4

Overhead & Underground

Aluminium Bail Clamp (Type ABC)

Made from high strength, high conductivity aluminium alloy and fitted with all aluminium hardware. The type ABC bail clamp takes a wide range of conductors thus reducing stock. Unique side clamp and generous overlapping clamp body shield the line connection from the weather. Aluminium bolts are captured and permit single spanner installation. Stainless steel hardware is available if required. Supplied pre-filled with Alminox and individually packed in plastic bag.

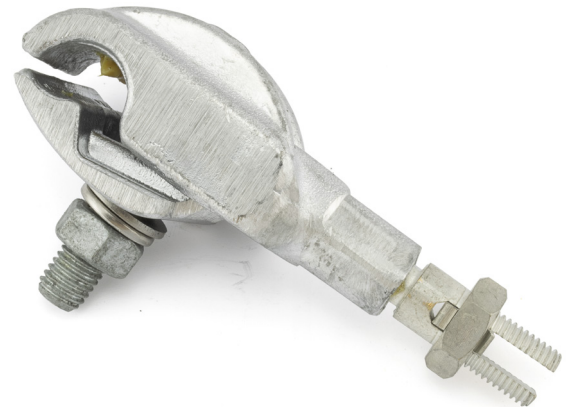
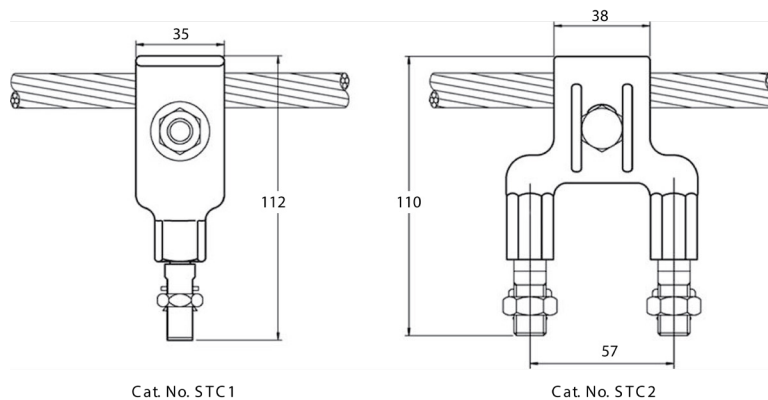


Part Number	Dia. Copper Loop mm	Conductor Range		Weight kg each	Hardware
		Stranding	Overall Dia. mm		
ABC4-1	8	7/2.25 to 19/3.75	6.75 to 18.80	0.24	Stainless Steel
ABC4-2	8			0.24	Aluminium
ABC5-1	8			0.35	Stainless Steel
ABC5-2	8			0.35	Aluminium

Service Tee Connectors (Type STC)

Type STC Tee connectors provide a convenient means of connecting copper service conductors to aluminium overhead mains.

The basic clamp is cast in aluminium and various hardware types are available (refer table). Service conductors are connected to the special tin plated split bolt connector.

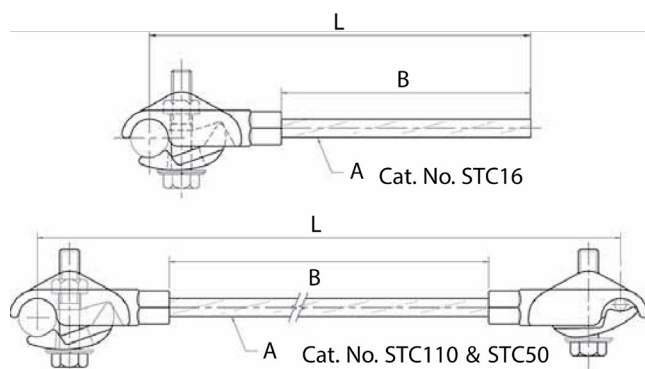


Part Number	Conductor Range		Weight kg each	Service Conductor Range	Hardware
	Stranding	Overall Dia. mm			
STC1-1	7/2.25 to 19/3.75	6.75 to 18.80	0.16	Max. three 7/1.70 (16mm ²) cables	Stainless Steel
STC1-2					Aluminium
STC1-3					Galv Steel
STC2-1	7/2.25 to 19/3.75	6.75 to 18.80	0.24	Max. three 7/1.70 (16mm ²) cables in each leg	Stainless Steel
STC2-2					Aluminium
STC2-3					Galv Steel

Overhead & Underground

Service Tee Connectors (Type STC - Continued)

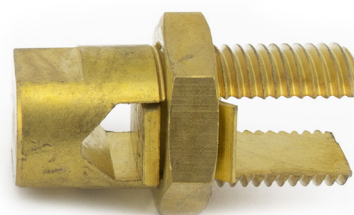
The connector is used with standard line taps when making copper to aluminium service connections.



Part Number	Run Conductor Range	Copper Conductor Stranding A	Application Length B mm	Total Length L mm	Previous Reference	Mating Line Tap	Hardware
STC16-1	7/2.75 - 19/3.75	7/2.75	125	207	STC1-6	B24	Stainless Steel
STC16-2	7/2.75 - 19/3.75	7/2.75	125	207	STC1-6	B24	Aluminium
STC110-1	7/2.50 - 19/3.75	7/2.75	255	385	STC1-10	B24	Stainless Steel
STC110-2	7/2.50 - 19/3.75	7/2.75	255	385	STC1-10	B24	Aluminium
STC110-3	7/2.50 - 19/3.75	7/2.75	255	385	STC1-10	B24	Galv Steel
STC50-1	19/2.00 - 19/3.75	19/2.00	600	815	-	B25	Stainless Steel
STC50-2	19/2.00 - 19/3.75	19/2.00	600	815	-	B25	Aluminium
STC50-3	19/2.00 - 19/3.75	19/2.00	600	815	-	B25	Stainless Steel

Split Bolt Clamp (Type B - Line Tap)

Manufactured to E.S.A.A. specification from hard drawn brass. Accommodates two maximum conductors as specified in table below. Standard finish is natural brass. Electro-tinned finish can be supplied when specified.

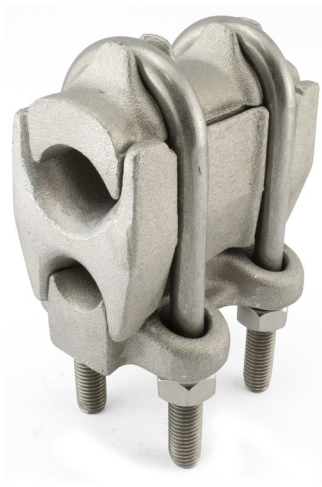


Part Number	Max. Conductor		Width of slot	Std. Pack	Std. Pack Weight KG
	Area mm ²	Overall Dia.			
B22	16	5.10	5.3	100	3.0
B24	35	7.65	8.30	50	2.60
B25	70	10.7	10.9	25	2.50
B26	95	12.60	12.90	20	2.00
B28	185	17.64	18.50	5	1.30

Overhead & Underground

Parallel Clamp (Type AUP - for aluminium only)

- Features:** Massive design and large space provide maximum protection against overload conditions. Spacing of U-bolts, tapered bell mouths and modified V-groove minimize cold flow, eliminate cable chafing and produce wiping action on conductors.
- Materials:** Body - aluminium alloy casting;
- Hardware:** Stainless steel.



Part Number	Conductor Range				Weight each
	Run		Tap		
	Stranding	Overall Dia.	Stranding	Overall Dia.	
AUP58	7/2.25 to 7/4.50	6.75 to 13.50	7/2.25 to 7/4.50	7/2.25 to 7/4.50	0.42
AUP75	7/3.75 to 19/3.75	11.30 to 18.80	7/3.75 to 19/3.75	11.30 to 18.80	0.84
AUP112	19/3.75 to 61/3.25	18.80 to 29.30	7/3.75 to 37/3.00	11.30 to 21.00	1.22
AUP1122	19/3.75 to 61/3.25	18.80 to 29.30	19/3.75 to 61/3.25	18.80 to 29.30	1.90

Parallel Clamp (Type KA)

A rugged connector for heavy duty service connections. Compact construction permits quick and easy insertion of conductors.

- Materials:** High strength copper content alloy. Neoprene rings capture bolts during installation thus preventing their loss.
- Hardware:** High strength, corrosion resistant stainless steel bolts, nuts and washers.

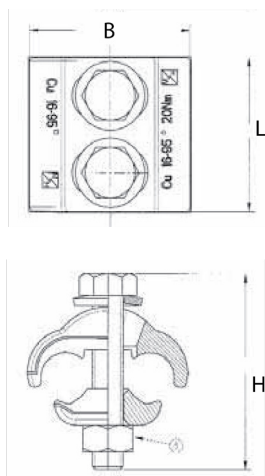


Part Number	Conductor Range				Weight each
	Run		Tap		
	Area mm ²	Overall Dia.	Area mm ²	Overall Dia.	
KA1	25 to 50	6.42 to 8.90	4 to 50	2.55 to 8.90	0.11
KA2	50 to 70	8.90 to 10.70	4 to 70	2.55 to 10.70	0.14
KA3	70 to 95	10.70 to 12.60	4 to 95	2.55 to 12.60	0.25
KA4	120 to 150	14.21 to 15.75	16 to 150	5.10 to 15.75	0.48
KA4C	70 to 185	10.70 to 17.64	35 to 185	7.65 to 17.64	0.51
KA5	185 to 240	17.64 to 20.25	16 to 240	5.10 to 20.25	0.65

Overhead & Underground

Parallel Groove Clamps - Copper

Material is forged copper for copper to copper connection throughout the conductor range. The clamps have serrated transverse grooves for maximum conductor contact, use copper bolts and utilize belleville washers to prevent thermal ratcheting under cyclic loads. The clamps are coated with an oxide inhibitor.

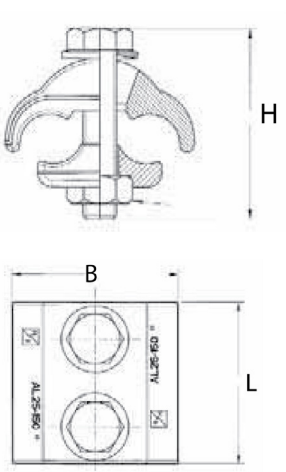


Part Number	Type	Bolt Torque	Conductor Range		Dimensions mm			No./Size of Bolts	Wt kg
			mm ²	Overall Dia.	L	B	H		
3029-FS	F/T	20Nm	6 to 70	2.7 to 10.5	35	35	42	2 x M8	0.19
3030-FS	F/T	20Nm	16 to 95	5.1 to 12.5	40	42	50	2 x M8	0.26
3032-FS	F/T	30Nm	16 to 150	5.1 to 15.7	50	52	56	2 x M10	0.43
DPG40	E/N	40Nm	150 to 240	15.7 to 20.3	71	65	70	2 x M12	0.90
DPG60	E/N	40Nm	300 to 400	22.6 to 26.7	105	75	70	3 x M12	1.67

Type: F = Forged Body; T = Transverse groove; E = Extruded body; N = No Groove.

Parallel Groove Clamps - Aluminium

Material is forged aluminium for aluminium to aluminium connection throughout the conductor range. The clamps have serrated transverse grooves for maximum conductor contact, use galvanised steel bolts and utilize belleville washers to prevent thermal ratcheting under cyclic loads. The clamps are coated with an oxide inhibitor.



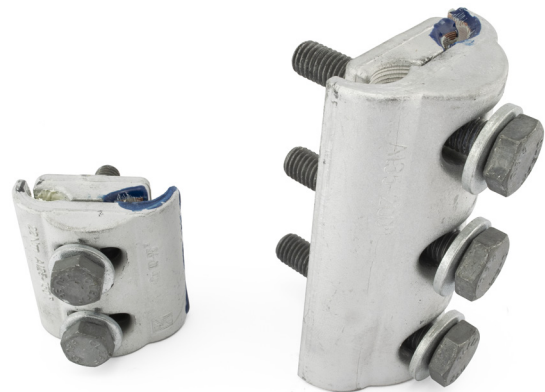
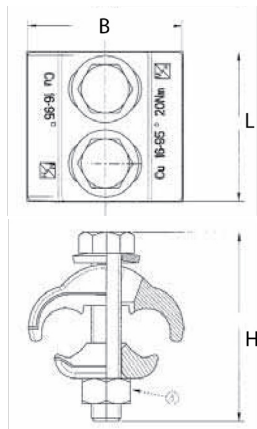
Part Number	Type	Bolt Torque	Conductor Range		Dimensions mm			No./Size of Bolts	Wt kg
			mm ²	Overall Dia.	L	B	H		
3929-FS	F/T	22 Nm	16 to 70	5.1 to 10.5	40	36	40	2 x M8	0.09
3931-FS	F/T	22 Nm	16 to 120	5.1 to 14.0	50	45	50	2 x M8	0.14
3932-FS	F/T	40 Nm	25 to 150	6.3 to 15.7	55	50	50	2 x M10	0.21
3594-FS	E/P	40 Nm	35 to 240	7.5 to 20.2	70	65	76	2 x M10	0.39
PGA35303	F/T	46 Nm	35 to 300	7.5 to 22.5	105	65	75	3 x M10	0.46

Type: F = Forged Body; T = Transverse groove; E = Extruded body; N = No Groove.

Overhead & Underground

Parallel Groove Clamps - Bi-metal

Material is forged aluminium clamp with a friction welded copper insert clearly marked in blue for making copper conductor connections. The clamps have serrated transverse grooves for maximum conductor contact, use galvanised steel bolts and utilize belleville washers to prevent thermal ratcheting under cyclic loads. The clamps are coated with an oxide inhibitor.



Part Number	Type	Bolt Torque	Conductor Range				Dimensions mm			No./Size of Bolts	Wt kg
			Aluminium Run		Copper Tap						
			mm ²	Overall Dia.	mm ²	Overall Dia.	L	B	H		
3919-FS	F / T	29 Nm	16 - 95	5.1 - 12.5	6 - 50	2.75 - 9.0	26	41	40	1 x M8	0.18
3909-FS	F / T	22 Nm	16 - 70	5.1 - 11.7	6 - 50	2.75 - 9.0	40	42	45	2 x M8	0.11
3911-FS	F / T	22 Nm	25 - 150	6.3 - 15.70	10 - 95	5.10 - 12.50	40	45	50	2 x M8	0.15
3913-FS	F / T	25 Nm	35 - 185	7.50 - 17.50	35 - 185	7.50 - 17.50	96	57	66	3 x M10	0.44
3915-FS	F / T	25 Nm	35 - 300	7.50 - 22.50	35 - 240	7.50 - 20.20	105	65	76	3 x M10	0.68

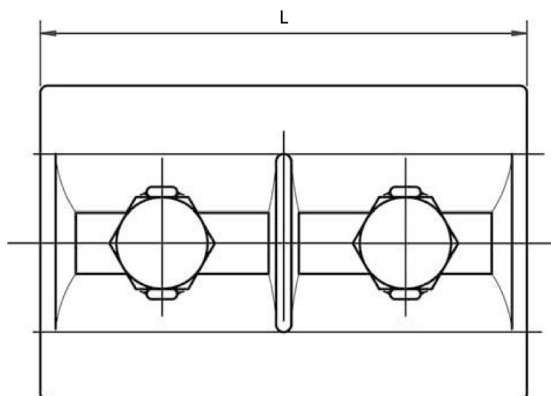
Type: F = Forged Body; T = Transverse groove

Parallel Groove Clamps (Type LTDP with Parallel Sides)

A universal aluminium line tap for equal and unequal combinations of aluminium and ACSR conductors.

Materials: Die cast aluminium

Hardware: Aluminium is standard but galvanised or stainless steel is available.



Part Number	Conductor Range				L mm	Hardware
	Aluminium Run		Copper Tap			
	Stranding	Overall Dia.	Stranding	Overall Dia.		
LTDP58-2	7/1.75 to 7/4.50	5.25 to 13.50	7/1.75 to 7/4.50	5.25 to 13.50	70	Aluminium
LTDP58-3	7/1.75 to 7/4.50	5.25 to 13.50	7/1.75 to 7/4.50	5.25 to 13.50	70	Galv Steel
LTDP75-2	7/2.50 to 19/3.75	7.50 to 19.00	7/2.50 to 19/3.75	7.50 to 19.00	95	Aluminium
LTDP75-3	7/2.50 to 19/3.75	7.50 to 19.00	7/2.50 to 19/3.75	7.50 to 19.00	95	Galv Steel

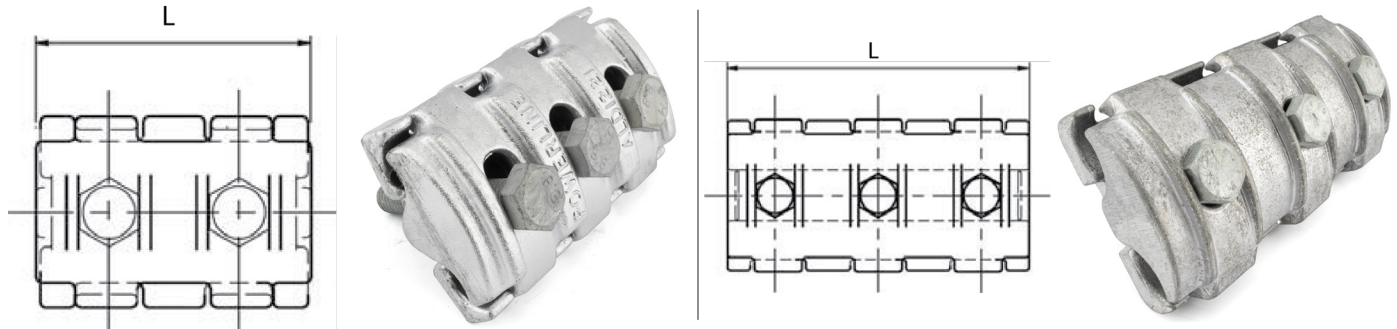
Overhead & Underground

Parallel Groove Clamps (Type LTD, LTX with Interlocking Fingers)

A universal aluminium line tap for equal and unequal combinations of aluminium and ACSR conductors. The clamp has interlocking fingers for maximum conductor contact.

Materials: Die cast aluminium

Hardware: Aluminium is standard but galvanized or stainless steel is available



Part Number	Conductor Range				Length mm	Hardware
	Run		Tap			
	Stranding	Overall Dia.	Stranding	Overall Dia.		
LTD58-1	7/1.75 - 7/4.50	5.25 - 13.50	7/1.75 - 7/4.50	5.25 - 13.50	70	Stainless Steel
LTD58-2	7/1.75 - 7/4.50	5.25 - 13.50	7/1.75 - 7/4.50	5.25 - 13.50	70	Aluminium
LTD58-3	7/1.75 - 7/4.50	5.25 - 13.50	7/1.75 - 7/4.50	5.25 - 13.50	70	Galvanized Steel
LTD75-1	19/1.78 - 19/3.75	8.90 - 18.80	19/1.78 - 19/3.75	8.90 - 18.80	95	Stainless Steel
LTD75-2	19/1.78 - 19/3.75	8.90 - 18.80	19/1.78 - 19/3.75	8.90 - 18.80	95	Aluminium
LTD75-3	19/1.78 - 19/3.75	8.90 - 18.80	19/1.78 - 19/3.75	8.90 - 18.80	95	Galvanized Steel
LTX75-1	7/3.00 - 19/3.75	9.00 - 18.80	7/3.00 - 19/3.75	9.00 - 18.80	110	Stainless Steel
LTX75-2	7/3.00 - 19/3.75	9.00 - 18.80	7/3.00 - 19/3.75	9.00 - 18.80	110	Aluminium
LTX75-3	7/3.00 - 19/3.75	9.00 - 18.80	7/3.00 - 19/3.75	9.00 - 18.80	110	Galvanized Steel
APG-315-315-2	19/3.25 - 61/3.75	16.30 - 33.80	19/3.25 - 61/3.75	16.30 - 33.80	191	Stainless Steel

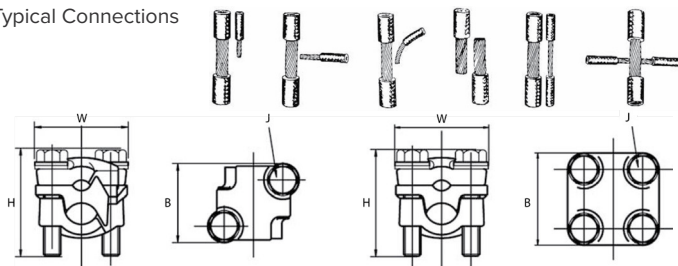
Easitap - Tee Off Connectors (Type V & Type V-ET)

An extremely versatile three-piece connector for all combinations of mains and tee off conductors. Typical connections include: Parallel tap; Tee connections; Cross connections and End-to-end connections.

Materials: Current carrying center plate and outer planes are high strength copper alloy, Type V-ET are electro tinned.

Hardware: Stainless steel

Typical Connections



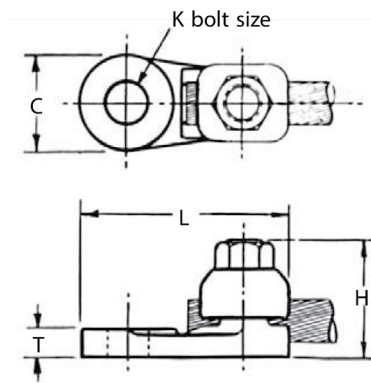
Part Number Type V	Part Number Type V-ET	Conductor Range								Dimensions mm			
		Run				Tap							
		Area mm ²		Overall Dia.		Area mm ²		Overall Dia.					
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	B	H	J	W
V1B	VET1	16	35	5.10	7.65	16	35	5.1	7.65	35	40	8	37
V2B	VET2	50	95	8.90	12.60	16	35	5.1	7.65	37	49	8	41
V3B	VET3	50	95	8.90	12.6	50	95	8.9	12.46	46	56	10	46
V4B	VET4	120	240	14.21	20.25	16	35	5.1	7.65	37	56	8	49
V5B	VET5	120	240	14.21	20.25	50	95	8.9	12.46	43	57	10	46
V6B	VET6	120	240	14.21	20.25	120	240	14.21	20.25	52	70	10	52
V7B	VET7	240	500	20.25	28.80	16	35	5.1	7.65	37	62	8	59
V8B	VET8	240	500	20.25	28.80	50	95	8.9	12.46	46	73	10	62
V9B	VET9	240	500	20.25	28.80	120	240	14.21	20.25	52	78	10	62
V10B	VET10	240	500	20.25	28.80	240	500	20.25	28.80	62	87	10	62

Overhead & Underground

Kulugs (Type Q)

For use wherever conductors are terminated. Easy installation - only a single nut to tighten. High mechanical strength, simple to disconnect, reusable.

Materials: Brass clamp body & nut



Part Number	Conductor Range		Dimensions mm					No./Size of Bolts
	mm ²	Overall Dia.	C	H	K	L	T	
H1802	10 - 16	4.05 - 5.10	19	25	M8	41	6	10
H1803	25 - 35	6.75 - 7.65	25	27	M10	53	5.5	10
H1804	50 - 70	8.90 - 10.70	32	34	M12	60	6.4	10
H1805	70 - 95	10.70 - 12.60	32	38	M12	65	7.9	10
H1806A	120	14.21 - 15.75	38	45	M16	76	8.7	1
H1806	150 - 185	15.75 - 17.64	38	45	M16	76	8.7	1
H1807	185 - 240	17.64 - 20.25	44	53	M20	86	10.3	1

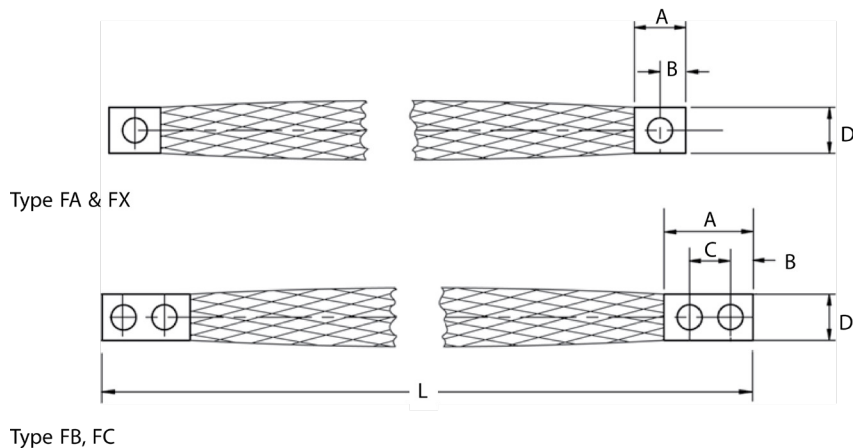
Overhead & Underground

Type F Series - Flat Braid

Series "F" flexible braid connectors consist of one or more tinned copper flat braids. Specially formed tinned copper ferrules are swaged onto the ends of the braids under high pressure to form solid rectangular terminals.

Current Ratings - Less than 300°C temperature rise above 400°C ambient temperature.

Short Time Rating - Based on maximum density being below 115 amps per mm². Time period basis, 3 seconds.



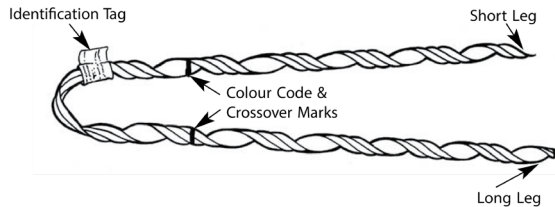
Part Number	Current Rating	Short Time Current Rating	Number of Braids	Approximate Thickness	Dimensions mm					Bolt Size
					A	B	C	D	L	
FA10300	100	2600	1	6	25	14	-	25	300	M10
FA30300	300	10700	4	8	25	14	-	25	300	
FA45300	450	16100	6	10	25	14	-	25	300	
FX10300	100	2600	1	6	25	14	-	25	300	M12
FX30300	300	10700	4	8	25	14	-	25	300	
FX45300	450	16100	6	10	25	14	-	25	300	

Overhead & Underground

Aluminium Based Deadends

Type AFG - Aluminium Alloy for AAC, AAAC & ACSR Conductors

Aluminium Based Deadends have been designed as a simple and cost effective method of carrying out terminations on overhead distribution networks incorporating AAC, AAAC and ACSR Conductors.

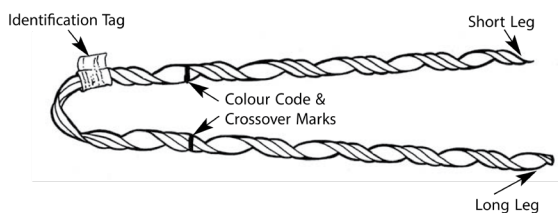


CL (Closed Loop)

Part Number	Conductor Diameter mm	AAC/AAAC Stranding	Colour Code
AFG-075	7.50	7/2.50	Blue
AFG-090	9.00	7/3.00	Red
AFG-102-CL	10.20	7/3.40	Purple
AFG-113-CL	11.25	7/3.75	Black
AFG-135-CL	13.50	7/4.50	Green
AFG-143-CL	14.30	7/4.75	Blue
AFG-163-CL	16.30	19/3.25	Orange
AFG-175-CL	17.50	37/2.50	Blue
AFG-188-CL	18.80	19/3.75	Black
AFG-210-CL	21.00	37/3.00	Red
AFG-238-CL	23.80	19/4.75	Blue
AFG-293-CL	29.3	61/3.25	Orange

Aluminium Based Deadends For ACSR Conductors

Single Piece



Part Number	Conductor Stranding	Conductor Diameter mm	Colour Code
AWFG-075-X	6/1/2.50 3/4/2.50	7.50	Blue
AWFG-090-X	6/1/3.00 4/3/3.00	9.00	Red
AWFG-113-X	6/1/3.75 4/3/3.75	11.25	Black
AWFG-125-X	12/7/2.50	12.50	Blue
AWFG-143-X	6/4.75+7/1.60	14.30	Blue

Overhead & Underground

Aluminium Based Deadends For ACSR Conductors

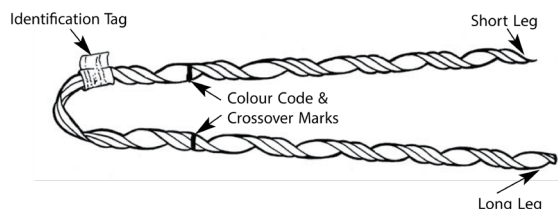
Multi Piece - Full Tension



Part Number	Conductor Stranding	Conductor Diameter mm	Colour Code
FTG-113	6/1/3.75	11.25	Red
FTG-117	12/7/2.34	11.70	Brown
FTG-143	6/4.75/7/1.60	14.30	Blue
FTG-146	7/4.39/7/1.93	14.60	Blue
FTG-150	12/7/3.00	15.00	Red
FTG-155	18/1/3.09	15.54	Black
FTG-157	26/2.54/7/1.91	15.90	Blue
FTG-165	30/7/2.36	16.52	Brown
FTG-175	30/7/2.50	17.50	Blue
FTG-193	18/1/3.86	19.30	Black
FTG-210	30/7/3.00	21.00	Red
FTG-245	30/7/3.50	24.50	Purple

Galvanised Deadends For Galvanised Conductor and Stays SC/GZ

GFG Deadends are used for terminating guy wires, earthwires and stay conductors. They are manufactured from the same materials as the conductors that they are applied to. This ensures that there is no chance of electrolytic or galvanic corrosion, as the fittings are completely compatible to the conductor to which they are applied.

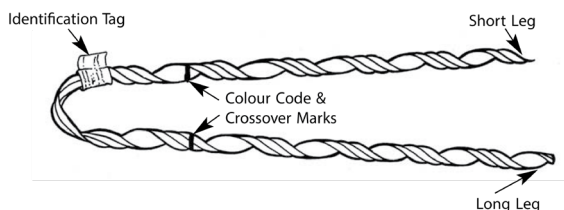


CL (Closed Loop)

Part Number	Conductor Stranding	Conductor Diameter mm	Colour Code
GFG-043-CL	3/2.00	4.25	Brown
GFG-048-CL	7/1.60	4.80	Black
GFG-055	3/2.75	5.50	White/Green
GFG-060-CL	7/2.00	6.00	Yellow
GFG-069	7/2.30	6.90	Brown
GFG-075	7/2.75	8.25	Blue
GFG-083-CL	7/2.75	8.25	White
GFG-090	7/3.00	9.00	Red
GFG-100	7/3.25 / 19/2.00	9.75 / 10.00	Orange / Yellow
GFG-113-CL	7/3.75	11.25	Black
GFG-120	7/4.00	12.00	Black
GFG-138	19/2.75	13.75	White
GFG-150	19/3.00	15.00	Red
GFG-163	19/3.25	16.25	Orange
GFG-188	19/3.75	18.80	Black

Overhead & Underground

Galvanised Deadends For Wire Rope

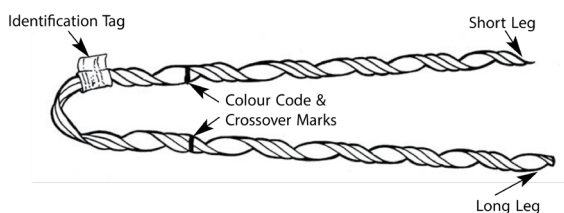


Part Number	Conductor Diameter mm	Colour Code
GFG-090-WR	9.00	Green
GFG-100-WR	10.00	Yellow
GFG-120-WR	12.00	Black
GFG-130-WR	13.00	Green
GFG-140-WR	14.00	Yellow
GFG-160-WR	16.00	White
GFG-180-WR	18.00	Blue
GFG-190-WR	19.00	Black

Copper Alloy Deadends For Copper Conductor

Copper Alloy for Hard Drawn Copper Conductors

Copper Alloy Deadends have been designed as a simple and cost effective method of carrying out terminations on Hard Drawn Copper (HDC) and Copper Alloy conductors. Fittings for smaller ranges are manufactured from Tin Bearing Copper Alloy wire, whilst larger fittings are manufactured from a unique Cadmium Free Copper Alloy wire.



CL (Closed Loop)

Part Number	Conductor Stranding	Conductor Diameter mm	Colour Code
CFG-0525	7/1.75	5.25	Purple
CFG-053	7/1.73	5.18	Purple
CFG-060	7/2.00	6.00	Yellow
CFG-075	7/2.50	7.50	Blue
CFG-083	7/2.75	8.25	White
CFG-088	19/1.75	8.75	Purple
CFG-100-CL	19/2.00 / 7/3.50 / 19/2.11	10.00 / 10.50 / 10.55	Yellow
CFG-113-CL	7/3.75	11.25	Black
CFG-117	19/2.33	11.65	Blue
CFG-125	19/2.56 / 37/1.75	12.80 / 12.25	Blue / Purple
CFG-138-CL	19/2.75	13.80	White
CFG-150-CL	19/3.00	15.00	Red
CFG-166	19/3.33 / 37/2.36	16.65 / 16.52	Orange
CFG-175-CL	37/2.50	17.50	White
CFG-183-CL	37/2.62	18.30	White
CFG-193-CL	37/2.75	19.30	White
CFG-203-CL	61/2.25	20.25	Brown

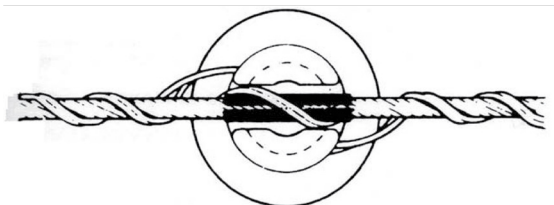


Overhead & Underground

Distribution Ties For Aluminium Based Conductors

AAC, AAAC and ACSR

For securing conductors in the top groove on both pin and post type insulators.

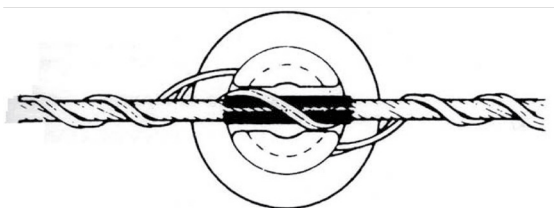


Part Number	Conductor Diameter Range mm	Colour Code
AWDT-053-76	4.80 - 5.49	Purple
AWDT-060-76	5.50 - 6.19	White
AWDT-068-76	6.50 - 7.03	Brown
AWDT-075-76	7.04 - 7.99	Blue
AWDT-090-76	8.00 - 9.06	Red
AWDT-102-76	9.07 - 10.29	Purple
AWDT-113-76	10.30 - 11.65	Black
AWDT-125-76	11.66 - 13.19	Red
AWDT-140-76	13.20 - 14.99	Blue
AWDT-163-76	15.00 - 17.19	Orange
AWDT-180-76	17.20 - 19.19	Black
AWDT-210-76	19.20 - 21.60	Red
AWDT-220-76	21.70 - 22.59	Green
AWDT-240-76	22.60 - 24.59	Blue
AWDT-255-76	24.60 - 25.60	Orange
AWDT-270-76	27.00 - 27.50	Red
AWDT-290-76	27.80 - 31.40	Black

Distribution Ties For Aluminium Based Armour Rods

For AAC, AAAC and ACSR

For securing Armour rods.

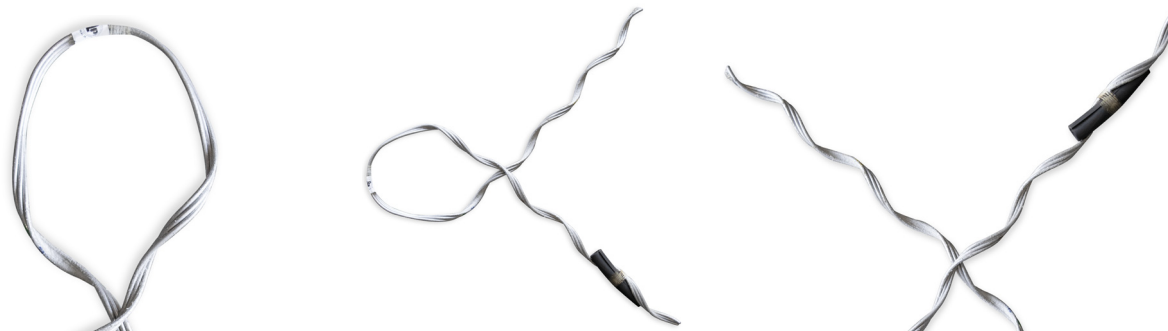


Part Number	Part Number (Armor Rods)	Conductor Stranding	Conductor Diameter mm
AWDT-113A-76	AAR-053	7/1.75	5.25
AWDT-125A-76	AAR-063	7/2.00	6.00
AWDT-140A-76	AAR-075	7/2.50	7.50
AWDT-163A-76	AAR-090	7/3.00	9.00
AWDT-210A-76	AAR-113	7/3.75	11.25
AWDT-220A-76	AAR-135	7/4.50	13.50
AWDT-240A-76	AAR-143	7/4.75	14.25
AWDT-255A-76	AAR-163	19/3.25	16.25
AWDT-270A-76	AAR-175	30/7/2.50	17.50
AWDT-290A-76	AAR-188	19/3.75	18.75

Overhead & Underground

Distribution Side Ties Over Bare Conductor for AAC, AAAC and ACSR

Designed to secure conductors to the side of groove insulators.



Part Number	Conductor Diameter Range mm	Colour Code
AWST-053-76	4.80 - 5.49	Purple
AWST-060-76	5.50 - 6.19	Brown
AWST-068-76	6.20 - 7.03	Brown
AWST-075-76	7.04 - 7.99	Blue
AWST-090-76	8.00 - 9.06	Red
AWST-102-76	9.07 - 10.29	Purple
AWST-113-76	10.30 - 11.65	Purple
AWST-125-76	11.66 - 13.19	Orange
AWST-140-76	13.20 - 14.99	Blue
AWST-163-76	15.00 - 17.19	Orange
AWST-180-76	17.20 - 19.19	Black
AWST-210-76	19.20 - 21.69	Red
AWST-220-76	21.70 - 22.59	Green
AWST-240-76	22.60 - 24.59	Red
AWST-255-76	24.60 - 25.60	Orange
AWST-290-76	27.80 - 31.40	Black

Conductor Line Splice for AAC, AAAC Conductors

Repairs 2 ends of a wire or strand to restore full original mechanical and electrical properties.

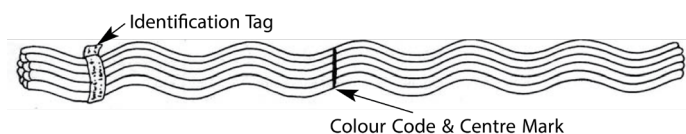


Part Number	Conductor Stranding	Conductor Diameter mm	Part Number (Armour Rods)
AFS-078	7/2.60	7.80	Orange
AFS-083	7/2.75	8.25	Red
AFS-090	7/3.00	9.00	Red
AFS-102	7/3.40	10.20	Purple
AFS-105	19/2.10	10.50	Blue
AFS-113	7/3.75	11.25	Black
AFS-135	7/4.50	13.50	Green
AFS-143	7/4.75	14.25	Blue
AFS-163	19/3.25	16.25	Orange
AFS-175	37/2.50	17.50	Blue
AFS-188	19/3.75	18.75	Black
AFS-210	37/3.00	21.00	Red
AFS-238	19/4.75	23.75	Blue

Overhead & Underground

Aluminium Armor rods for AAC, AAAC and ACSR Conductors

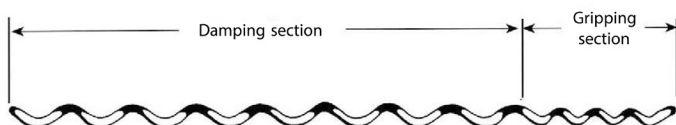
Protection of conductors against bending & compressive stresses. Protection against abrasion & arcing damage. Repair of conductors having no more than 20% of outer strands damaged or broken.



Part Number	Conductor Diameter Range mm	Colour
AAR-090	8.85 - 9.39	Red
AAR-113	10.90 - 11.59	Black
AAR-143	14.00 - 14.89	Blue
AAR-163	15.90 - 16.64	Orange
AAR-175	17.40 - 18.29	Blue
AAR-188	18.30 - 18.89	Black
AAR-210	20.90 - 21.79	Red
AAR-240	23.60 - 24.79	Blue

Spiral Vibration Dampers

Spiral Vibration Dampers are designed to reduce aeolian vibration in conductors, generated by wind turbulence.



Part Number	Conductor Diameter Range mm	Colour
SVD-0104	8.30 - 11.74	Black
SVD-0105	11.75 - 14.30	Yellow
SVD-0106	14.31 - 19.30	Green

Dogbone Vibration Dampers

Vortex vibration Dampers are designed to reduce aeolian vibration in conductors, generated by wind turbulence.



Part Number	Conductor Diameter Range mm	Clamp Range Overall Diameter mm
VSD-2016	12.0 - 18.2	12.3 - 15.5
VSD-2020		15.5 - 20.0
VSD-2025		20.0 - 25.0
VSD-2525	18.3 - 21.7	20.0 - 25.0
VSD-3525	21.8 - 24.9	20.0 - 25.0
VSD-4032	25.0 - 33.9	25.0 - 32.0
VSD-4040	25.0 - 33.9	32.0 - 40.1

Overhead & Underground

Insulation Piercing Connectors

Insulated cable to insulated cable (Aluminium to Copper)



Part Number	Cable Range 1 (mm ²)	Cable Range 2 (mm ²)	Number of Bolts	Shear Head A/F mm
K440	10 - 95	1.5 - 6	1	13
K441	25 - 95	6 - 35	1	13
K442	35 - 150	1.5 - 25	1	13
K443	35 - 150	6 - 35	1	13
K445	25 - 95	25 - 95	1	17

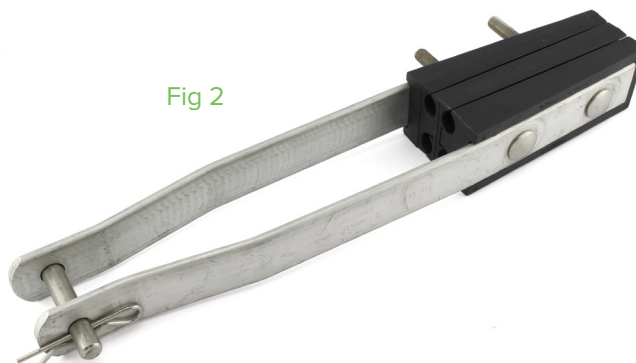
Mains Strain Clamps

Intended for use on low voltage aerial-bundled conductors for in-line or angled terminations.

Fig 1



Fig 2



Part Number	Figure Number	Number of Cores	Range of Cable mm ²
IBT25095	1	2	50 - 95
IBT5095	2	4	50 - 95
IBT95150	2	4	95 - 150

Service Strain Clamps

Intended for use on low voltage aerial-bundled conductors for in-line or angled terminations.

Fig 3

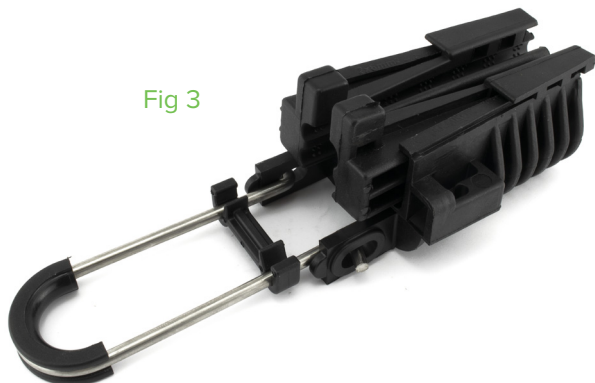


Fig 4



Part Number	Figure Number	Number of Cores	Range of Cable mm ²	Hook or Eye
IBST435	3	2 up to 4	4 - 35	Detachable
IBTH21635	4	2	16 - 35	Hook

Overhead & Underground

Suspension Clamps Type IBSC

EPDM UV Stabilized Rubber Insert - Galvanized body - Galvanized steel hardware - Suitable for Line Deviation up to 30°C



Part Number	2 Core mm ²	3 Core mm ²	4 Core mm ²
IBSC425	-	-	25
IBSC435	50	50	35
IBSC450	-	-	50
IBSC470	95	-	70
IBSC495	-	-	95

Suspension Clamps Type IBSRC

Cast Aluminium Body - UV Stabilized split elastomer bush



Part Number	2 Core mm ²	3 Core mm ²	4 Core mm ²
IBSRC250	50	-	-
IBSRC450	95	-	50
IBSRC495	-	-	95

Fused Switch Disconnects (Pole Fuse)

Fused Switch Disconnects (FSD), is a single-phase device that is normally installed at the pole. It provides electrical protection to either an aerial service supplying an individual customer or for a low voltage circuit of a pole mounted transformer.



Part Number	Figure Number	Number of Fittings in Assembly	Fuse Rating	Fuse Type	Shead Head A/F mm
K291	1	N/A	100	HRC58x22	13
K292GANG	3	3	160 / 250	DIN00	13
K292GANG4	3	4	160 / 250	DIN00	13
DULIBSB3PH	Three Phase Bracket				

Overhead & Underground

Raychem GelPort

Submersible Secondary Connectors for URD Distribution (1000v)

Raychem
from TE Connectivity

The GelPort connection system represents a revolutionary product for secondary connectors. Strip the cable and push it into the gel-filled cable port. The cable is encapsulated in gel and instantly sealed. Fast, reliable installation - every time. It's that simple.

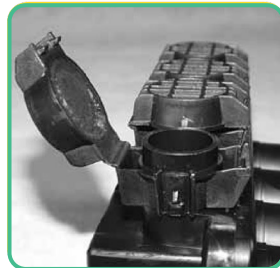
Key Features:

- Corrosion resistant
- No loose parts due to one piece housing
- Gel-filled cable entry ports provide a reliable cable seal
- PowerGel sealing gel seals out harsh environments
- Rugged, impact-resistant housing stands up to rough installations
- Clear view back allows for easy positive visual indication of wire position in connector

Clear Back



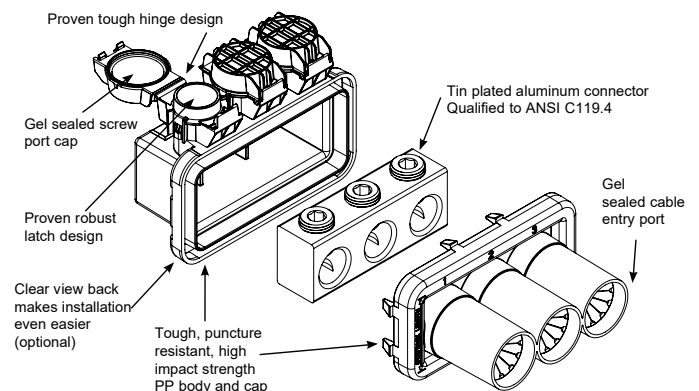
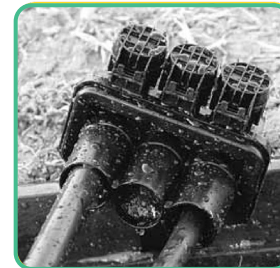
Hinged Cap



Gel-filled Ports



Submersible Performance

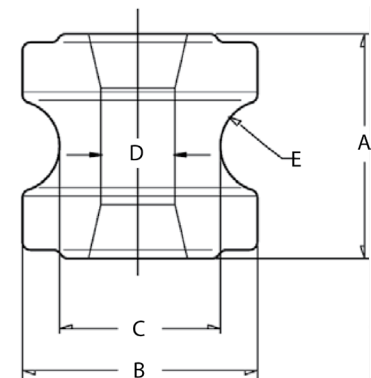


Part Number	Number of Wire Ports	Conductor use Range mm (mm ²)	Length inches (mm)	Width inches (mm)	Height inches (mm)
GPRT-350-3P	3	14 - 350 (2 - 150)	4.60 (117)	3.825 (97)	3.50 (89)
GPRT-350-4P	4	14 - 350 (2 - 150)	5.85 (149)	3.825 (97)	3.50 (89)
GPRT-350-5P	5	14 - 350 (2 - 150)	7.10 (180)	3.825 (97)	3.50 (89)
GPRT-350-6P	6	14 - 350 (2 - 150)	8.35 (212)	3.825 (97)	3.50 (89)
GPRT-350-8P	8	14 - 350 (2 - 150)	10.85 (276)	3.825 (97)	3.50 (89)
GPRT-350/4P-500/1P	5 Hybrid		7.10 (180)	3.825 (97)	3.50 (89)
	4	14 - 350 (2 - 150)			
	1	6 - 500 (16 - 250)			
GPRT-350/6P-500/2P	8 Hybrid		10.85 (276)	3.825 (97)	3.50 (89)
	6	14 - 350 (2 - 150)			
	2	6 - 500 (16 - 250)			

Overhead & Underground

Shackle & Pin

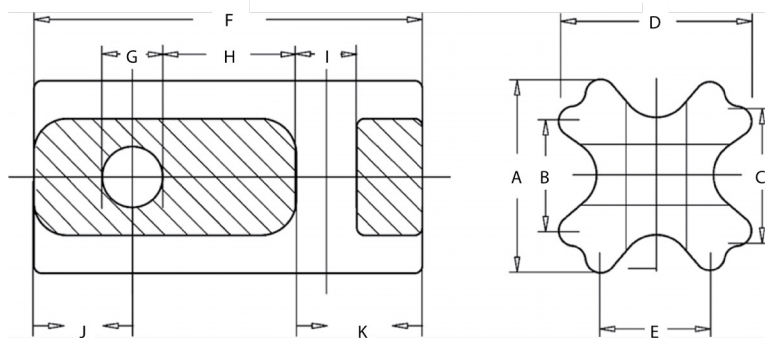
Porcelain LV



Part Number	Dimensions mm					Thread	Pin	Min F.L Kn
	A	Dia. B	Dia. C	Dia. D	Rad e			
SHLV1	54	57	39	17	17	-	-	9 kN
SHLV2	76	80	54	17	12	-	-	20 kN
SHLV8	32	57	40	17	7	-	-	9 kN

Guy Strain

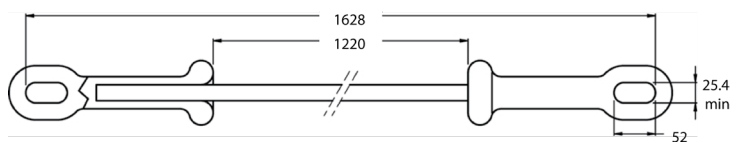
Porcelain LV



Part Number	Dimensions mm											Min F.L. kN
	A	B	V	D	E	F	G	H	I	J	K	
GY2	73	41	44	73	44	146	22	51	22	37	37	71 kN
GY3	115	57	67	115	57	216	38	51	38	63	63	222 kN
GY4	115	57	67	115	57	280	38	51	38	95	95	222 kN

Fibreglass Stay Insulator

HV

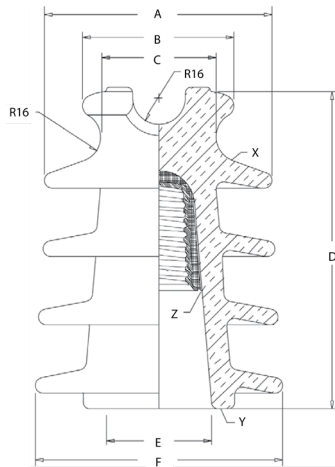


Part Number	Min F.L. kN	Arcing Distance mm	End Fitting
NEE220N1630H	220	1094	Eye/Eye + Arcing Horns

Overhead & Underground

Aerodynamic Line Pin

Porcelain

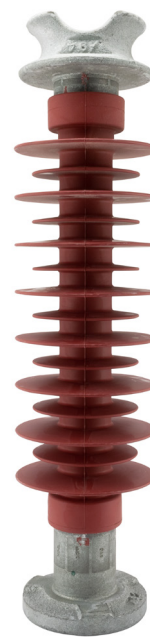


Part Number	Voltage	Dimensions mm		Dimensions mm						Pin	Min F.L. kN
		X - Y	X - Z	A	B	C	D	E	F		
ALP/11/275	11 kV	235	275	136	102	76	152	76	136	C/150/7	7 kN
ALP/22/450	22 kV	365	450	148	102	76	200	74	160	C/200/11	11 kN
ALP/33/920	33 kV	755	920	240	102	76	320	133	240	C/300/7	11 kN

TE Line Post Insulators

Colour: Grey

* Custom Configurations available on request*



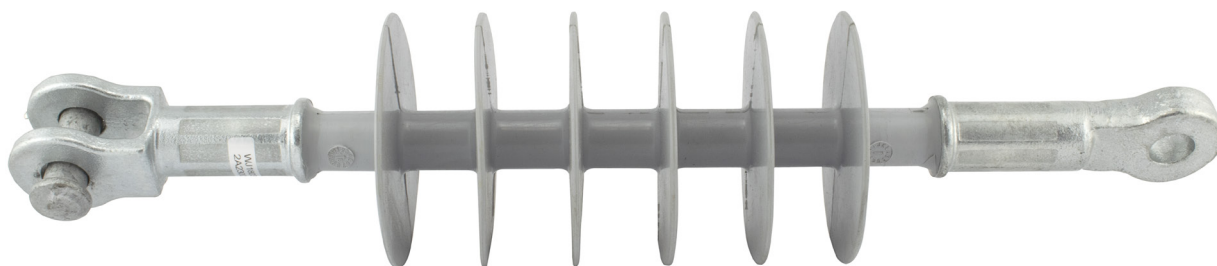
Part Number	Nominal Systems Voltage (kV)	Lightning Impulse Withstand Voltage (kV)	Nominal Creepage (mm)	Cantilever Strength (kN)	Material	Housing	Ground End	Line End
LP-R11ET325-1850CSG	33	325	1850	11	Composite	Silicone	X-Arm	Tie
LP-R12.5EH325-2065CSG02	33	325	2065	12.5	Composite	Silicone	Gain Base	Horizontal Clamp
LP-R12.5ET235-1140CSG	33	325	1140	12.5	Composite	Silicone	X-Arm	Tie
LP-R15EH210-1140CSG	33	210	1140	15	Composite	Silicone	X-Arm	Horizontal Clamp

Overhead & Underground

TE Longrod Insulators

Colour: Grey

* Custom Configurations available on request*



Part Number	Nominal Systems Voltage (kV)	Lightning Impulse Withstand Voltage (kV)	Pitch (mm)	Dry Arcing Distance (mm)	Nominal Creepage (mm)	Material	Housing	Couplings	Approx Weight (kg)	Number of Sheds
LR-CS070SB155-658CSG	22	155	415	252	658	Composite	Silicone	SB	1.4	6
LR-CS070CT235-1157CSG	35	235			1157	Composite	Silicone	CT		
LR-CS120CT235-1157CSG	35	235			1157	Composite	Silicone	CT		
LR-CS120CT425-2120CSG		425			2120	Composite	Silicone	CT		

Overhead & Underground

Aircraft Warning Markers

Aircraft warning markers are most commonly utilized as a visual indicator of a power line, adjacent to airports, across river crossings, and on mining sites. All markers are manufactured from UV stabilized homogeneous materials (not coated).



Add suffix for colour: W= White Y= Yellow R= Red O= Orange

UFO3 - 300mm Diameter

Part Number	Conductor Application Range mm
UFO3060	6.00 - 7.99
UFO3080	8.00 - 9.99
UFO3100	10.00 - 11.99
UFO3120	12.00 - 13.99
UFO3140	14.00 - 15.99
UFO3160	16.00 - 18.99
UFO3190	19.00 - 22.49
UFO3225	22.50 - 26.49

UFO3 - 600mm Diameter

Part Number	Conductor Application Range mm
UFO6060	6.00 - 7.99
UFO6080	8.00 - 9.99
UFO6100	10.00 - 11.99
UFO6120	12.00 - 13.99
UFO6140	14.00 - 15.99
UFO6160	16.00 - 17.99
UFO6180	18.00 - 19.99
UFO6200	20.00 - 21.99
UFO6220	22.00 - 23.99
UFO6240	24.00 - 25.99
UFO6260	26.00 - 27.99
UFO6280	28.00 - 29.99
UFO6300	30.00 - 31.99
UFO6320	32.00 - 33.99

Overhead & Underground

Cross Arms



Part Number	Dimensions mm (WxHxL)
CA0355	100 x 100 x 1500
CA0357	125 x 75 x 2400
CA0360	100 x 100 x 2400

Cross Arms Mounting Blocks - Gain Blocks



Part Number	Cross Arm Size mm	Block Material
GB100	100	Aluminium Alloy
GB125	125	Aluminium Alloy
GB150	150	Aluminium Alloy

Cross Arms Brace



Part Number	Cross Arm Size mm	Bar Width mm
XABRA03	863	40
XABRA04	800	50
XABRA05	500	50
XABRA06	1000	50

Overhead & Underground

Hook Bolts

- Shaped Locating plate to lock into pole
- Supplied with nut and washer



Part Number	Part Number	Mounting Length mm	Thread Length mm
IBH16250	IBH20250	250	150
IBH16300	IBH20300	300	150
IBH16325	IBH20325	325	150
IBH16350	IBH20350	350	150
IBH16400	IBH20400	400	150
IBH16450	IBH20450	450	150

Eye Nuts

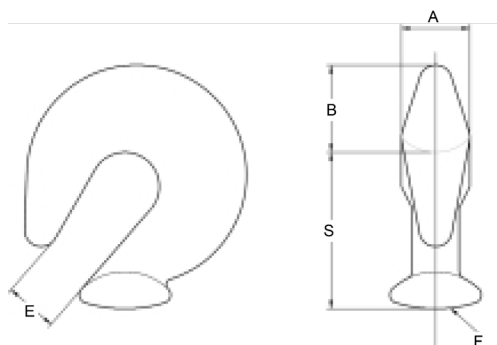
- Shaped Locating plate to lock into pole
- Supplied with nut and washer



Part Number	Size	Thread Length mm	Material	Eye Diameter mm
EN16	M16	30	Galv Steel	12
EN20	M20	40	Galv Steel	16

Overhead & Underground

Ball Hook Short Shank



Part Number	Minimum Falling Load kN	Dimensions mm					Material
		A	B	E	F (Ball)	S	
BHSS70	70	25	32	20	16	57	Forged Steel

Bow Shackle

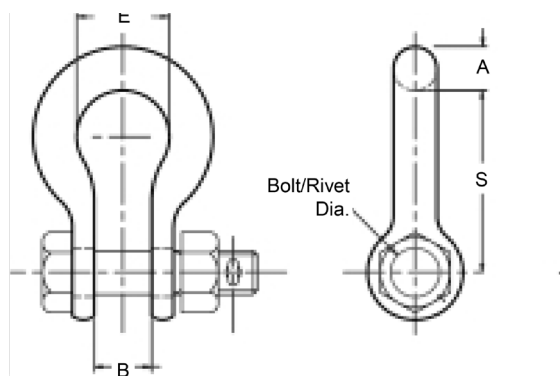
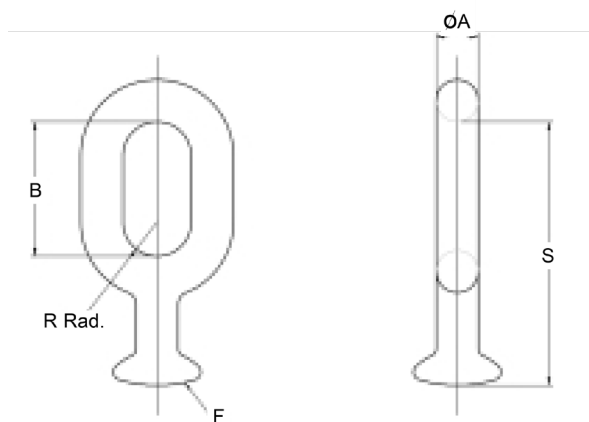


Fig. 1



Part Number	Minimum Falling Load kN	Dimensions mm					Material
		A	B	E	Bolt/Rivet Dia.	S	
S-070-1	70	16	22.5	34	16	67	Forged Steel
TS-070-1 (Twisted)	70	16	22.5	34	16	67	Forged Steel
S-120-1	120	16	22.5	34	16	67	Forged Steel
S-160-1	160	20	24.5	40	20	76	Forged Steel
S-210-1	210	-	-	-	20	-	-

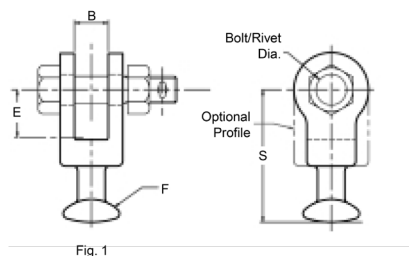
Ball Eye Link



Part Number	Minimum Falling Load kN	Dimensions mm					Material
		A	B	R	S	F (Ball)	
BEL70	70	16	50	13	100	16	Forged Steel
BEL120	120	16	50	13	100	16	Forged Steel
BEL160	160	20	64	16	128	20	Forged Steel

Overhead & Underground

Ball Clevis



Part Number	Minimum Falling Load kN	Dimensions mm					Material
		A	B	E	F (Ball)	S	
BC70A	70	20	28	78	16	16	Forged Steel
BC120A	120	20	28	78	16	16	Forged Steel
BC160A	160	24	35	95	20	20	Forged Steel

Clevis Thimble (Small)

- Used for small galvanised or copper grips.



Part Number	Minimum Falling Load kN	Maximum Grip Size	Thimble Bend Radius mm	Material
CTH-070-MCI	70	GFG-083 & CFG-100-CL	20	Galvanized Cast Iron

Clevis Thimble (Large)

- Used for medium to large galvanised or copper grips.



Part Number	Minimum Falling Load kN	Maximum Grip Size	Thimble Bend Radius mm	Material
GCT-120-TC5F	120	GFG-163 & CFG-260-CL	28.5	Galvanized Cast Iron

Clevis Thimble

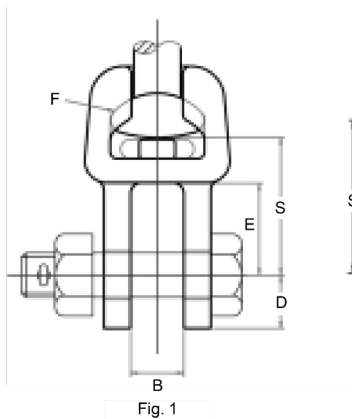
- For use with aluminium and aluminium clad steel deadends.
- Galvanised steel pin.
- Stainless steel split pin



Part Number	Minimum Falling Load kN	Maximum Grip Size	Thimble Bend Radius mm	Material
ACT-27-16	70	AFG-188-CL	36	Aluminium alloy
ACT-37-16	80	AFG-240-CL		Aluminium alloy

Overhead & Underground

Socket Clevis



Part Number	Minimum Falling Load kN	Dimensions mm						Material
		B	D	E	F (Ball)	Bolt/Rivet Dia.	S	
SC70A	70	20	22	28	16	16	59	Cast Iron
SC120A	120	20	22	28	16	16	59	Forged Steel
SC160A	160	24	24	35	20	20	62	Forged Steel

Socket Thimble



Part Number	Minimum Falling Load kN	Thimble Bend Radius mm	Material
STH-070-1	70	20	Galvanized Cast Iron

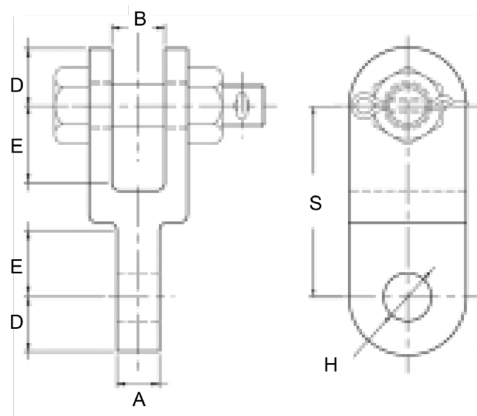
Socket Tongue



Part Number	Minimum Falling Load kN	Bolt Size mm
ST-070-1	70	M16
ST-160-1	160	M20
ST-210-1	210	M20

Overhead & Underground

Clevis Tongue



Part Number	Minimum Falling Load kN	Dimensions mm							Material
		A	B	D	E	H Dia.	Bolt/Rivet Dia.	S	
TC-070-1	70	16	20	22	28	18	16	72	Galvanised Cast Iron
TC-120-1	120	16	20	22	28	18	16	72	Galvanised Cast Iron

Clevis Tongue Twisted

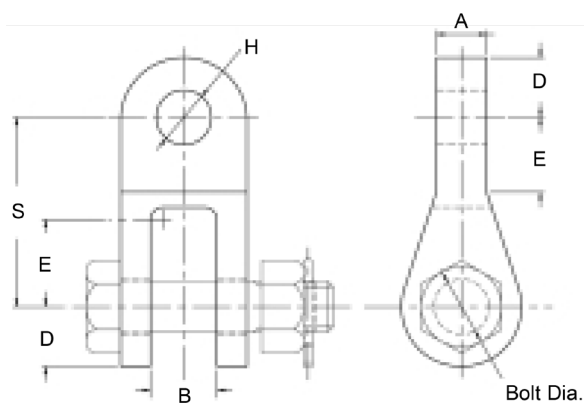
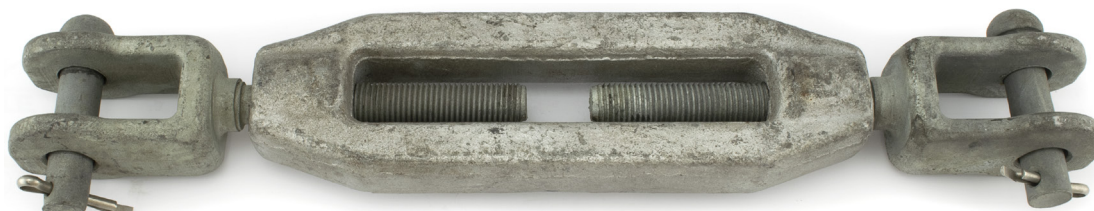


Fig. 1



Part Number	Minimum Falling Load kN	Dimensions mm							Material
		A	B	D	E	H Dia.	Bolt/Rivet Dia.	S	
CTT70A	70	16	20	22	28	18	16	76	Forged Steel
CTT120A	120	16	20	22	28	18	16	76	Forged Steel
CTT160A	160	20	24	24	35	22	20	76	Forged Steel

Turnbuckles - Clevis/Clevis



Part Number	Minimum Falling Load kN	Bolt Size mm	Range mm		Material
			Minimum	Maximum	
TBCC-070-1	70	M16	350	480	Galvanised Forged Steel
TBCC-160-1	160	M20	480	600	Galvanised Forged Steel

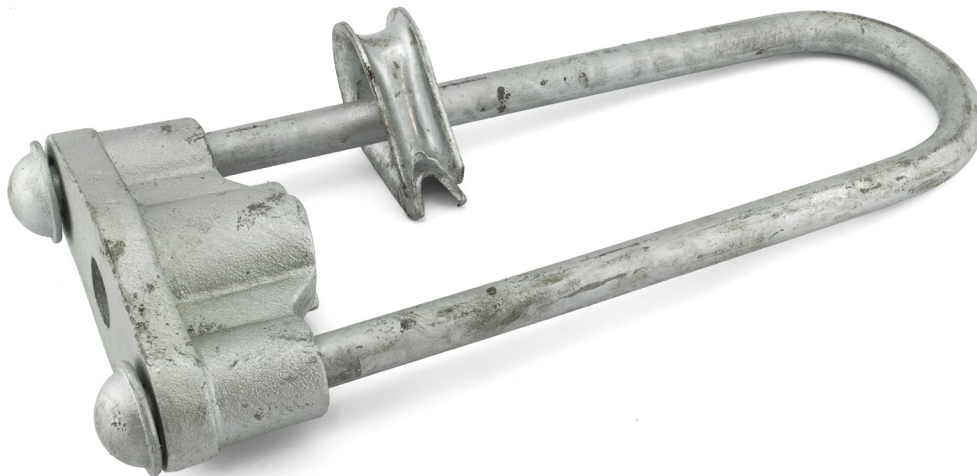
Overhead & Underground

Wire Rope Thimble - Closed



Part Number	Bend Radius mm	Seat Width mm	Threaded
GTO16	15	13	150
GTO20	20	18	150
GTO25	25	22	150

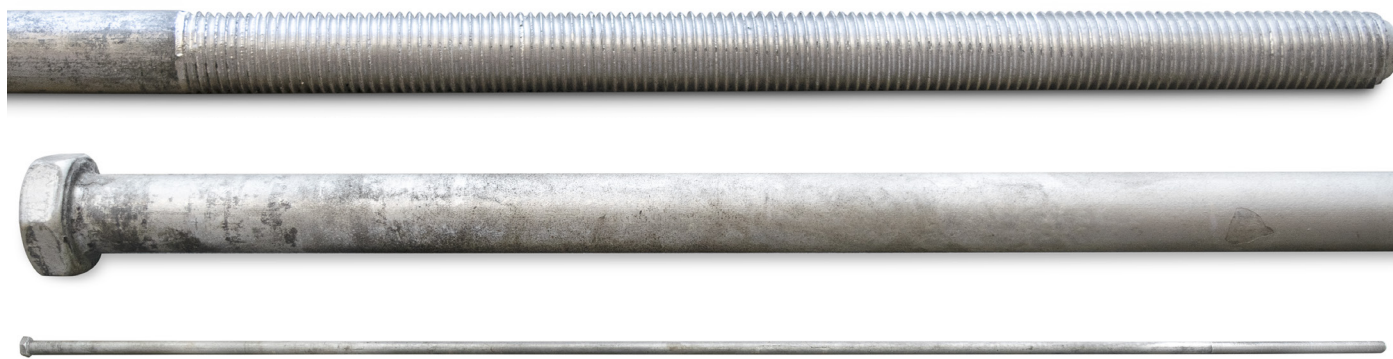
Stay Bows



Part Number	Bolt Size mm	Material
STAYBOWM20	20	Galvanised Cast Iron
STAYBOWM24	24	Galvanised Cast Iron

Overhead & Underground

Screw Anchor Rod (Stay Rod)



Part Number	Thread Size mm	Overall Length mm	Thread Length mm
ANCHOR-ROD-20	M20	2140	60
ANCHOR-ROD-24	M24	2140	60
ANCHOR-ROD-24-2400x150	M24	2400	150
ANCHOR-ROD-24-3000x150	M24	3000	150

Stay Anchor Plate



Part Number	Stud Size mm	Length mm	Width mm	Thickness mm
SAP300M20	M20	300	300	12
SAP300M24	M24	300	300	12

Galvanised Stay Wire



Part Number	Overall Diameter (Approx)	Stranding mm
STAY19200	10.0	19/2.00
STAY19275	13.80	19/2.75
STAY19325	16.30	19/3.25
STAY7160		7/1.60
STAY7200	6.00	7/2.00
STAY7275	8.25	7/2.75

Overhead & Underground

Galvanised Bolt & Nut



Part Number	Bolt Size mm	Length mm
BN12030	M12	30
BN12040	M12	40
BN12060	M12	60
BN12100	M12	100
BN12130	M12	130
BN12140	M12	140
BN12150	M12	150
BN12160	M12	160
BN12180	M12	180
BN12200	M12	200
BN12550	M12	250
BN12600	M12	600
BN16040	M16	40
BN16110	M16	110
BN16120	M16	120
BN16130	M16	130
BN16150	M16	150
BN16160	M16	160
BN16180	M16	180
BN16200	M16	200
BN16250	M16	250
BN16300	M16	300
BN16350	M16	350
BN16375	M16	375
BN16400	M16	400
BN16450	M16	450
BN16500	M16	500
BN16550	M16	550
BN16600	M16	600
BN20130	M20	130
BN20140	M20	140
BN20160	M20	160
BN20200	M20	200
BN20250	M20	250
BN20300	M20	300
BN20325	M20	325
BN20400	M20	400
BN20450	M20	450
BN20500	M20	500
BN20550	M20	550
BN20600	M20	600

Continued ----->

Part Number	Bolt Size mm	Length mm
BN24050	M24	50
BN24150	M24	150
BN24160	M24	160
BN24200	M24	200
BN24300	M24	300
BN24400	M24	400
BN24450	M24	450
BN24550	M24	550
BN24600	M24	600
BN24700	M24	700
BN24750	M24	750

Galvanised Eye Bolt & Nut



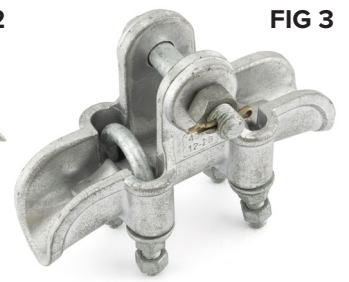
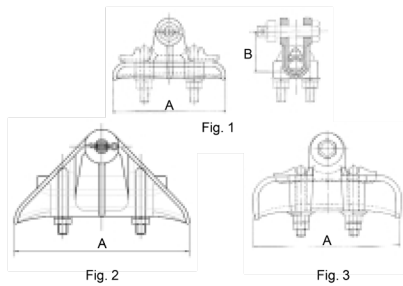
Part Number	Bolt Size mm	Length mm
EBM16160	16	160
EBM16180	16	180
EBM16200	16	200
EBM16220	16	220
EBM16250	16	250
EBM16260	16	260
EBM16300	16	300
EBM16350	16	350
EBM16400	16	400
EBM16450	16	450
EBM16500	16	500
EBM16550	16	550
EBM16600	16	600
EBM20200	20	200
EBM20250	20	250
EBM20260	20	260
EBM20300	20	300
EBM20350	20	350
EBM20400	20	400
EBM20450	20	450
EBM20500	20	500
EBM20550	20	550
EBM20600	20	600
EBM202100	20	2100
EBM24200	24	200
EBM24300	24	300
EBM24350	24	350
EBM24400	24	400
EBM24450	24	450
EBM24500	24	500
EBM24600	24	600

Overhead & Underground

Clevis Suspension Clamps for Aluminium Based Conductors

Materials: Aluminium alloy body

Hardware: Galvanised Steel

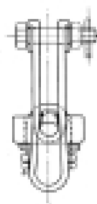
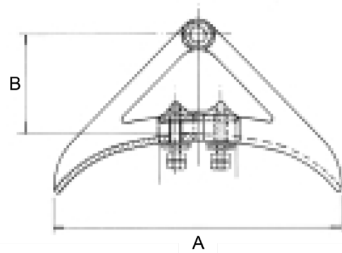


Part Number	Minimum Fall- ing Load kN	Dimensions mm		Conductor Diam- eter Range mm	Hardware	Fig No.
		A	B			
ACC0721H	44	152	62	7-21	Hex Pin	1
ACC0721A	44	152	62	7-21	Bolt	1
ACC0721Q	44	152	62	7-21	Rivet	1
ACC1723A	40	200	76	12-28	Bolt	3
ACC2032A	70	230	84	20-32	Bolt	2
ACC2032H	70	230	84	20-32	Hex Pin	2

Aluminium Angle Clamp for Aluminium Based Conductors

Materials: Aluminium alloy body

Hardware: Galvanised Steel



Part Number	Minimum Falling Load kN	Dimensions mm		Conductor Diameter Range mm	Hardware
		A	B		
AAC0616A	34	280	103	6 - 16	Bolt
AAC1025A	34	330	130	16 - 25	Bolt
AAC1025H	34	330	130	16 - 25	Hex Pin

Suspension Trunnion Clamp



Part Number	Conductor Diameter (mm)
SCAT-2838-A	29 - 38

Overhead & Underground

Copper Clad Threaded Earth Rods

- Tapered end
- Joined by a one-piece coupling



Part Number	Diameter	Length (mm)
ER-CSE1618	16mm or 5/8"	1800
ER-CSE1624	16mm or 5/8"	2400
ER-CSE1630	16mm or 5/8"	3000
ER-CSE1924	19mm or 3/4"	2400
ER-CSE1930	19mm or 3/4"	3000

Copper Clad Earth Rod Couplers

- Used to join threaded Earth Rods
- Hexagonal & cylindrical design available



Part Number	Earth Rod Diameter to Suit	Length (mm)
ER-CCS16HEX	16mm or 5/8"	70
ER-CCS19HEX	19mm or 3/4"	80
ER-CCS16	16mm or 5/8"	70
ER-CCS19	19mm or 3/4"	80

Copper Clad non-extendable Domestic Earth Rods

- Clips & Tags included
- Each rod incorporates an integral driving point



Part Number	Diameter	Length (mm)
CUP1314WCWT	13mm or 1/2"	1440

Stainless Steel Threaded Earth Rods (316)

- Tapered end
- Joined by a one-piece coupling



Part Number	Diameter	Length (mm)
ER-SS1624	16mm or 5/8"	2400
ER-SS1630	16mm or 5/8"	3000
ER-SS1930	19mm or 3/4"	3000

Stainless Steel Earth Rod Couplers (316)

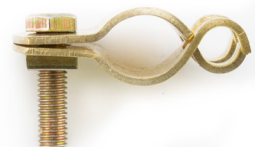
- Used to join threaded Stainless Steel Earth Rods
- Cylindrical design



Part Number	Earth Rod Diameter to Suit	Length (mm)
ER-SSC16	16mm or 5/8"	70
ER-SSC19	19mm or 3/4"	70

Domestic Rod Brass Earth Clip

- Suitable for cables in the range 4 - 25mm²
- Part Number: ERCLIPS12.7



Domestic Rod Earth Tag

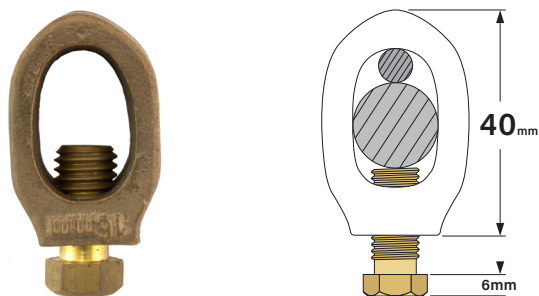
- Part Number: ERTAGP



Overhead & Underground

Earth Rod Clamp GRC5

- Body: High copper content alloy casting
- Hardware: Brass

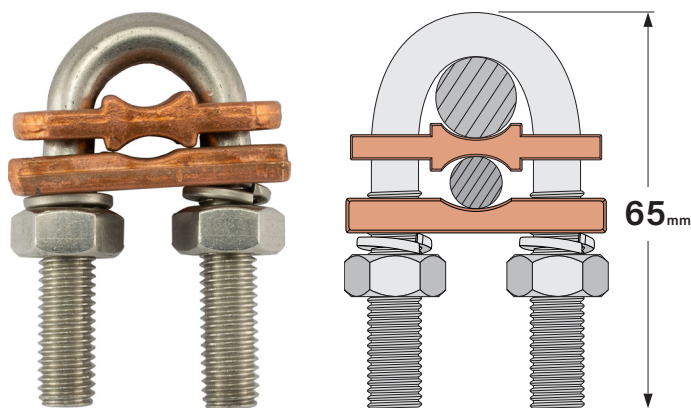


Part Number	O.D Earth Rod (mm)	Conductor Range	
		CSA mm ²	Dia. mm
ER-GRC5	13 - 15	10 - 35	4.05 - 7.65

Earth Rod Clamp 210

Simple and robust, these U-Bolt type clamps have vee groove embodied in the casting to accommodate the earthing cable - single conductor

- Body: High copper content alloy casting
- Hardware: Stainless steel

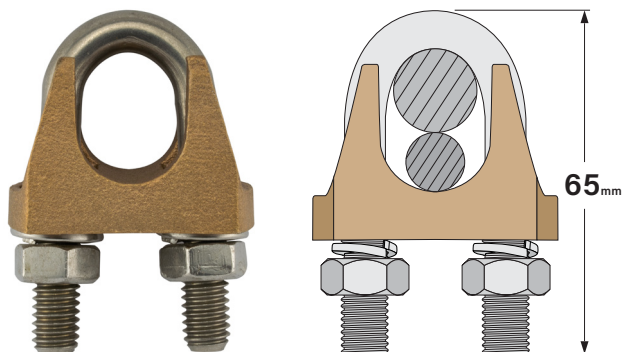


Part Number	O.D Earth Rod (mm)	Conductor Range	
		mm ²	Dia. mm
ER-CLAMP210	3 - 15	16 - 120	5.10 - 14.21

Earth Rod Clamp EP1

For one earth conductor parallel to rod

- Body: High copper content alloy casting
- Hardware: Stainless steel

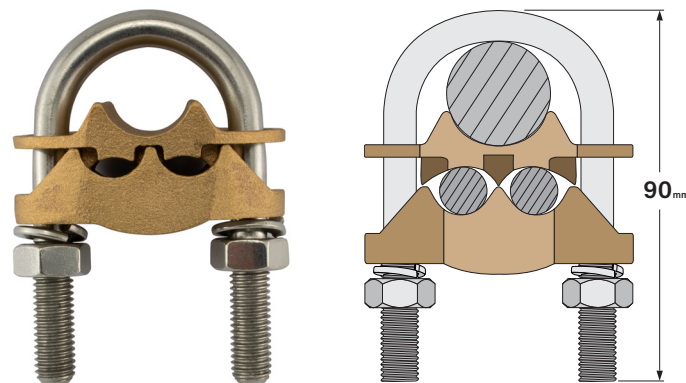


Part Number	O.D Earth Rod (mm)	Conductor Range		No. of Conductors
		mm ²	Dia. mm	
ER-EP1	17 - 19	16 - 120	5.10 - 14.21	1

Earth Rod Clamp EP4

For two earth conductors parallel to rod

- Body: High copper content alloy casting
- Hardware: Stainless steel



Part Number	O.D Earth Rod (mm)	Conductor Range		No. of Conductors
		mm ²	Dia. mm	
ER-EP4	14 - 16	50 - 120	8.90 - 14.21	2

Earth Rod Clamp ET2

For two earth conductors as adjacent to rod

- Body: High copper content alloy casting
- Hardware: Stainless steel



Part Number	O.D Earth Rod (mm)	Conductor Range		No. of Conductors
		mm ²	Dia. mm	
ER-ET2	7 - 19	50 - 120	8.90 - 14.21	2

Earth Rod Clamp GB2

This clamp is designed for either parallel or right angle connections

- Body: High copper content alloy casting
- Hardware: Stainless steel



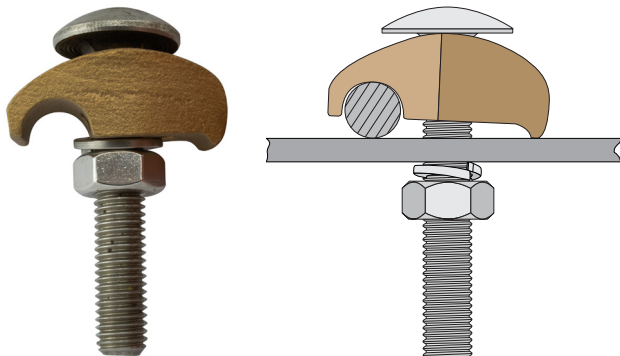
Part Number	Conductor Range		Diameter of Electrode (mm)
	mm ²	Dia. mm	
ER-GB2	50 - 120	8.90 - 14.21	13 - 19NPT

Overhead & Underground

Type GF

For clamping earth cable to flat metal.

- Body: Cast copper alloy
- Hardware: Stainless steel



Part Number	Conductor Range		No. of Conductors
	mm ²	Dia. mm	
ER-GF42	16 - 70	5.10 - 10.70	1
ER-GF58	70 - 135	10.70 - 15.25	1

Connection Boxes & Earth Pits

Boxes ERB1 and ERB3 feature hinged inspection lids & cable entry holes on the sides. Both Boxes provide ample space for conductors and clamps.

ERB1 Aluminum Connection Box (DULERB1)

Dimensions: 140mm x 140mm x 80mm



ERB3 Poly Concrete Connection Box (DULERB3)

Dimensions: 220mm x 220mm x 145mm



Concrete Valve Box (GALVCVB1)

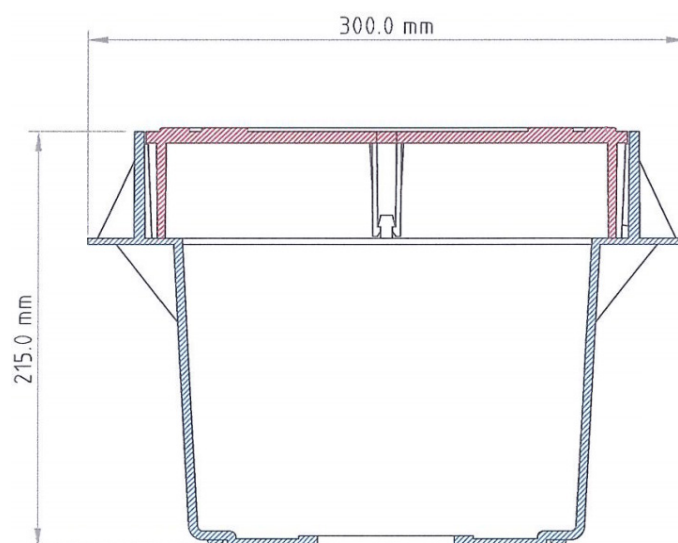
Dimensions: 300mm x 260mm x 115mm



Earth Pit01 (ENG-PIT01)

5 tonne traffic load. Made from Plastic High Density Polymer

Dimensions: 300mm x 300mm x 215mm



Overhead & Underground

Earthing Enhancement Compounds

Stable, high conductivity providing long term low ground resistance. High expansion, low shrink characteristics. Non-toxic, non-corrosive.

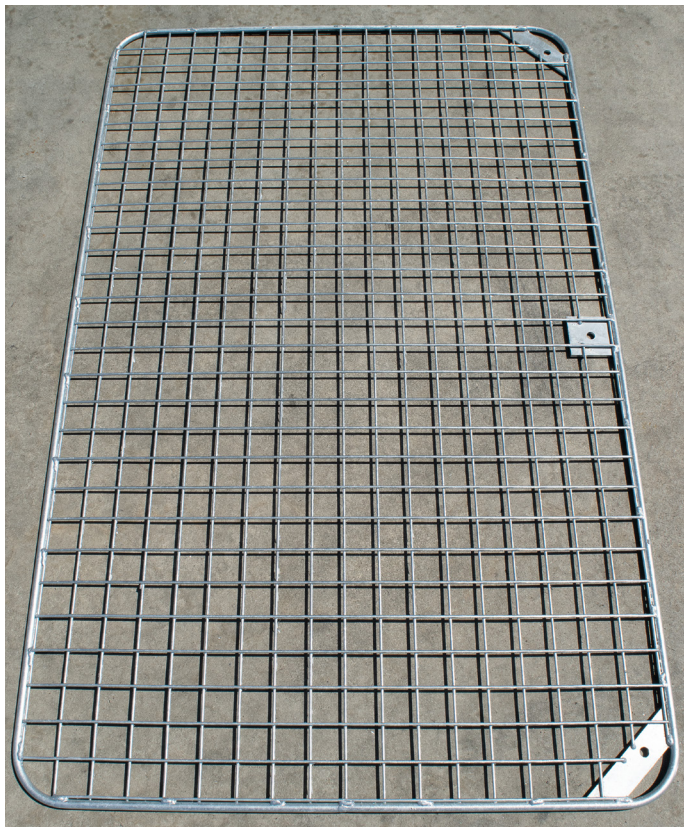
- Packaging: 20kg non-tear, plastic lined bags
- Installation: Apply as a dry mix or pourable slurry
- Dry mix will yield a volume of approximately 0.0176m³ (roughly 57 bags to the cubic metre)
- Slurry will yield a volume of approximately 0.030m³ when mixed with 20 - 25 litres of water (roughly 33 bags to the cubic metre)



Part Number	Composition
ER-EARTHRITE	Bentonite, Gypsum, Sodium Sulphate
ER-EARTH5050	Bentonite, Gypsum

Earth Mat

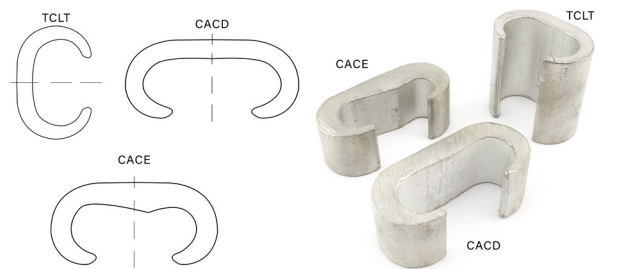
- Material: Galvanized Steel



Part Number	Dimensions
ER-EARTHMAT	Size: 1500mm x 900mm Mesh: 76 mm x 50mm

C Connectors

- Conductor Size: 2.5 - 300mm²



	Conductor Tap (Range 2.5 - 25mm ²)					
	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	25mm ²
Main Conductor (Range 6 - 300mm ²)	50mm ²	-	-	-	TCLT076	TCLT076
	70mm ²	TCLT076	TCLT076	TCLT076	TCLT098	TCLT098
	95mm ²	TCLT098	TCLT122	TCLT122	TCLT122	TCLT122
	120mm ²	TCLT154	TCLT154	TCLT154	TCLT154	TCLT154
	150mm ²	TCLT154	TCLT154	TCLT190	TCLT190	TCLT190
	185mm ²	TCLT190	TCLT190	TCLT240	TCLT240	TCLT240
	Conductor Tap (Range 35 - 150mm ²)					
	35mm ²	50mm ²	70mm ²	95mm ²	120mm ²	150mm ²
Main Conductor (Range 35 - 300mm ²)	35mm ²	TCLT076	-	-	-	-
	50mm ²	TCLT098	TCLT122	-	-	-
	70mm ²	TCLT122	TCLT122	TCLT154	-	-
	95mm ²	TCLT154	TCLT154	TCLT190	TCLT190	-
	120mm ²	TCLT190	TCLT190	TCLT190	TCLT240	TCLT240
	150mm ²	TCLT190	TCLT240	TCLT240	-	-
	185mm ²	TCLT240	TCLT240	-	-	-

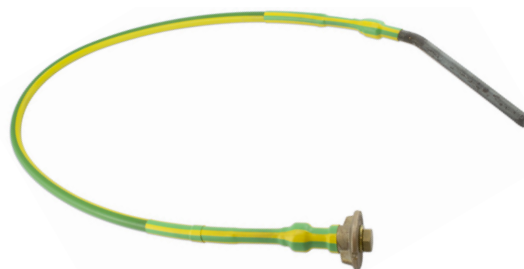
TCLCACE - C Connectors				
Part Number	Conductor Range Run	Conductor Range Tap	Height (mm)	Width (mm)
TCLCACE70-120	95 - 120mm ²	10 - 70mm ²	52	24

TCLCACD - C Connectors			
Part Number	Conductor Range Run or Tap	Height (mm)	Width (mm)
TCLCACD70	35 - 70mm ²	35	19
TCLCACD120	95 - 120mm ²	52	24

Earthing Bond for Commercial Earthing Installations

The Earthing bond system provides an earth connection welded to the steel reinforcement, thus offering a virtually indestructible, stable and low resistance path to earth.

- 70mm² cable



Part Number	Bond Length
TCLC70-0.5	0.5m
TCLC70-1.0	1.0m
TCLC70-3.0	3.0m

*Other sizes available on request

Overhead & Underground

Two-eye Hose Restraint

Made from the following materials:

- Wire: Galvanised
- Ferrules: Aluminium
- Thimbles: Stainless Steel
- Leg Protection: Spiral Guards (Colour coded)



Part Number (Galvanised)	Size Range (mm)
HR2E01	6 - 14
HR2E02	14 - 20
HR2E03	20 - 30
HR2E04	30 - 40
HR2E05	40 - 50
HR2E06	50 - 60
HR2E07	60 - 70
HR2E08	70 - 85
HR2E09	85 - 100
HR2E10	100 - 120
HR2E11	120 - 140
HR2E12	140 - 180
HR2E13	180 - 220
HR2E14	220 - 260
HR2E15	260 - 300
Part Number (Stainless Steel)	Size Range (mm)
HR2E01SS	6 - 14
HR2E02SS	14 - 20
HR2E03SS	20 - 30
HR2E04SS	30 - 40
HR2E05SS	40 - 50
HR2E06SS	50 - 60
HR2E07SS	60 - 70
HR2E08SS	70 - 85
HR2E09SS	85 - 100
HR2E10SS	100 - 120
HR2E11SS	120 - 140
HR2E12SS	140 - 180
HR2E13SS	180 - 220
HR2E14SS	220 - 260
HR2E15SS	260 - 300

Four-eye Hose Restraint

Made from the following materials:

- Wire: Galvanised (stainless steel on request)
- Ferrules: Aluminium
- Thimbles: Stainless Steel
- Leg Protection: Spiral Guards (Colour coded)



Part Number	Size Range (mm)
HR4E14	0 - 1.5m
HR4E15	> 1.5 - 2.0 m
HR4E16	> 2.0 - 2.5 m
HR4E17	> 2.5 - 3.0 m
HR4E18	> 3.0 - 3.5 m
HR4E19	> 3.5 - 4.0 m
HR4E20	> 4.0 - 4.5 m
HR4E21	> 4.5 - 5.0 m
HR4E22	> 5.0 - 5.5 m
HR4E23	> 5.5 - 6.0 m
HR4E24	> 6.0 - 6.5 m
HR4E25	> 6.5 - 7.0 m
HR4E26	> 7.0 - 7.5 m
HR4E27	> 7.5 - 8.0 m
HR4E28	> 8.0 - 8.5 m
HR4E29	> 8.5 - 9.0 m
HR4E30	> 9.0 - 9.5 m
HR4E31	> 9.5 - 10.0 m
HR4E32	> 10.0 - 10.5 m
HR4E33	> 10.5 - 11.0 m
HR4E34	> 11.0 - 11.5 m
HR4E35	> 11.5 - 12.0 m
HR4E36	> 12.0 - 12.5 m
HR4E37	> 12.5 - 13.0 m
HR4E38	> 13.0 - 13.5 m
HR4E39	> 13.5 - 14.0 m
HR4E40	> 14.0 - 14.5 m
HR4E41	> 14.5 - 15.0 m
HR4E42	> 15.0 - 15.5 m
HR4E43	> 15.5 - 16.0 m
HR4E44	> 16.0 - 16.5 m
HR4E45	> 16.5 - 17.0 m
HR4E46	> 17.0 - 17.5 m
HR4E47	> 17.5 - 18.0 m
HR4E48	> 18.0 - 18.5 m
HR4E49	> 18.5 - 19.0 m
HR4E50	> 19.0 - 19.5 m
HR4E51	> 19.5 - 20.0 m

Overhead & Underground

Single Eye Cable Stocking

- The most widely used of all cable stocking: designed to pull cable by its end
- Tubular woven covering, open one end, other end closed with single eye
- Often used to install overhead and underground lines
- To be used in underground conduits, trenches, cable trays and for service line to factories.



Part Number (Galvanised)	Size Range (mm)
CSSE71	6 - 14
CSSE72	15 - 20
CSSE73	20 - 30
CSSE74	30 - 40
CSSE75	40 - 50
CSSE76	50 - 60
CSSE77	60 - 70
CSSE78	70 - 85
CSSE79	85 - 100
CSSE80	100 - 120
CSSE81	120 - 140
CSSE82	140 - 180
CSSE83	180+

Part Number (Stainless Steel)	Size Range (mm)
CSSE71SS	6 - 14
CSSE72SS	15 - 20
CSSE73SS	20 - 30
CSSE74SS	30 - 40
CSSE75SS	40 - 50
CSSE76SS	50 - 60
CSSE77SS	60 - 70
CSSE78SS	70 - 85
CSSE79SS	85 - 100
CSSE80SS	100 - 120
CSSE81SS	120 - 140
CSSE82SS	140 - 180
CSSE83SS	180+

Offset Eye Cable Stocking

- Open design with offset eye at one end
- Can be fitted any distance from end of the cable and is designed so cable can be passed clear through
- Applications: mining, industrial, maritime, e.g. support for electrical cable and hoses (hydraulic and other), strain relief on trailing supply lines.
- Ideally suited for the mining industry where cable needs to be laid and secured to the walls of shafts and tunnels.



Part Number (Galvanised)	Size Range (mm)
CSOE84	6 - 14
CSOE85	15 - 20
CSOE86	20 - 30
CSOE87	30 - 40
CSOE88	40 - 50
CSOE89	50 - 60
CSOE90	60 - 70
CSOE91	70 - 85
CSOE92	85 - 100
CSOE93	100 - 120
CSOE94	120 - 140
CSOE95	140 - 180
CSOE96	POA

Part Number (Stainless Steel)	Size Range (mm)
CSOE84SS	6 - 14
CSOE85SS	15 - 20
CSOE86SS	20 - 30
CSOE87SS	30 - 40
CSOE88SS	40 - 50
CSOE89SS	50 - 60
CSOE90SS	60 - 70
CSOE91SS	70 - 85
CSOE92SS	85 - 100
CSOE93SS	100 - 120
CSOE94SS	120 - 140
CSOE95SS	140 - 180
CSOE96SS	POA

Overhead & Underground

Twin Eye Cable Stocking

- Tubular woven covering, 'open' design, i.e. both ends open with twin eye sat one end.
- Can be fitted any distance from the end of the cable and is designed so the cable can be passed clear through.
- Enables cable to be pulled at either end or at any point along the length of the cable.



Part Number (Galvanised)	Size Range (mm)
CSTE32	6 - 14
CSTE33	15 - 20
CSTE34	20 - 30
CSTE35	30 - 40
CSTE36	40 - 50
CSTE37	50 - 60
CSTE38	60 - 70
CSTE39	70 - 85
CSTE40	85 - 100
CSTE41	100 - 120
CSTE42	120 - 140
CSTE43	140 - 180
CSTE44	180+

Part Number (Stainless Steel)	Size Range (mm)
CSTE32SS	6 - 14
CSTE33SS	15 - 20
CSTE34SS	20 - 30
CSTE35SS	30 - 40
CSTE36SS	40 - 50
CSTE37SS	50 - 60
CSTE38SS	60 - 70
CSTE39SS	70 - 85
CSTE40SS	85 - 100
CSTE41SS	100 - 120
CSTE42SS	120 - 140
CSTE43SS	140 - 180
CSTE44SS	180+

Open Ended Cable Stocking

- Tubular woven covering, open both ends without eyes.
- Utilised for cable splicing and joining. Typical application: replacement of elevator cables.
- Creates a relatively smooth join for use with a pulley wheel (or sheave).



Part Number (Galvanised)	Size Range (mm)
CSOPE45	6 - 14
CSOPE46	15 - 20
CSOPE47	20 - 30
CSOPE48	30 - 40
CSOPE49	40 - 50
CSOPE50	50 - 60
CSOPE51	60 - 70
CSOPE52	70 - 85
CSOPE53	85 - 100
CSOPE54	100 - 120
CSOPE55	120 - 140
CSOPE56	140 - 180
CSOPE57	180+

Part Number (Stainless Steel)	Size Range (mm)
CSOPE45SS	6 - 14
CSOPE46SS	15 - 20
CSOPE47SS	20 - 30
CSOPE48SS	30 - 40
CSOPE49SS	40 - 50
CSOPE50SS	50 - 60
CSOPE51SS	60 - 70
CSOPE52SS	70 - 85
CSOPE53SS	85 - 100
CSOPE54SS	100 - 120
CSOPE55SS	120 - 140
CSOPE56SS	140 - 180
CSOPE57SS	180+

Overhead & Underground

Lace-up Cable Stocking

- Tubular woven covering, lace-up design with twin eyes.
- Stocking manufactured and supplied flat enabling it to be wrapped around a cable in situ and then laced up to form the stocking.
- Also referred to as a 'split cable grip' or 'laced cable grip'.
- Generally used for supporting electrical cables in a vertical or sloping position.



Part Number (Galvanised)	Size Range (mm)
CSLU58	6 - 14
CSLU59	15 - 20
CSLU60	20 - 30
CSLU61	30 - 40
CSLU62	40 - 50
CSLU63	50 - 60
CSLU64	60 - 70
CSLU65	70 - 85
CSLU66	85 - 100
CSLU67	100 - 120
CSLU68	120 - 140
CSLU69	140 - 180
CSLU70	180+

Part Number (Stainless Steel)	Size Range (mm)
CSLU58SS	6 - 14
CSLU59SS	15 - 20
CSLU60SS	20 - 30
CSLU61SS	30 - 40
CSLU62SS	40 - 50
CSLU63SS	50 - 60
CSLU64SS	60 - 70
CSLU65SS	70 - 85
CSLU66SS	85 - 100
CSLU67SS	100 - 120
CSLU68SS	120 - 140
CSLU69SS	140 - 180
CSLU70SS	180+

Safety Shackles



Part Number	Size (Tonne)
SAFETY75	0.75
SAFETY100	1.0
SAFETY150	1.5
SAFETY200	2.0
SAFETY320	3.2

Cam Buckle 25mm Black Polyester Webbing (Plain)



Part Number	Strap Length (mm)	Strap Width (mm)
CB400	400	25
CB600	600	25
CB800	800	25
CB1000	1000	25
CB1200	1200	25
CB1500	1500	25

Cam Buckle 25mm Fras (Fire Retardant Anti Static) Woven Webbing

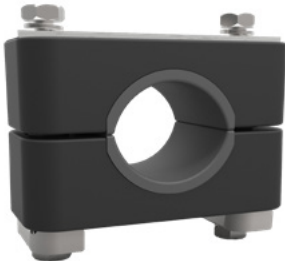


Part Number	Strap Length (mm)	Strap Width (mm)
CB400F	400	25
CB600F	600	25
CB800F	800	25
CB1000F	1000	25
CB1200F	1200	25
CB1500F	1500	25

Overhead & Underground

TE Cable Cleats

The TE's Raychem Cable Cleats are designed and tested according to IEC 61914 providing high resistance to electromechanical forces during short circuit conditions. The included stainless steel hardware and the self-extinguishing and UV stabilised materials result in outstanding performance even under harsh environments.



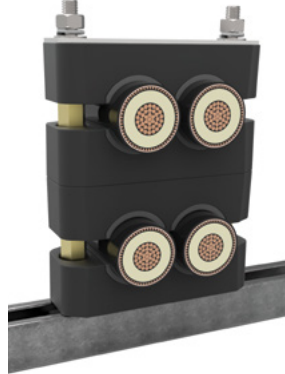
Single Cable Cleats

- Wide application range allows cable diameters up to 135mm
- Flat mount version available for installations on a plate
- Ideal for applications with higher levels of short circuit



Trefoil Cable Cleats

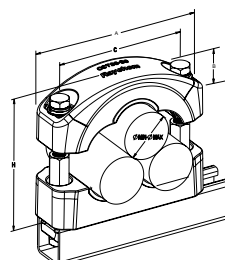
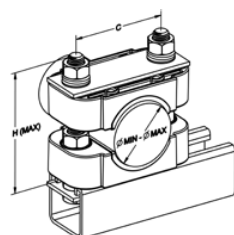
- Application range from 26 mm to 80 mm
- Center hole at the base eases pole installation
- Stackable version available



Dual and Quadfoil Cable Cleats

- Application range from 26 mm to 80 mm
- Stackable design optimizes space
- Available as dual or quadfoil/stacked version

Part Number (Single)	Min Cable (Ø)	Max Cable (Ø)	Width A (mm)	Width B (mm)	Bolt Hole CRS C (mm)	Installed Height H - Max (mm)	Available Bolt (Ø)	Available Mounting (Ø)
CC26-38	26	38	90	60	60	75	M10, M12	SN, FM
CC38-50	38	50	104	60	75	100	M12	PL, SN, FM
CC50-60	50	60	133	60	100	130	M12	PL, SN, FM
CC60-70	60	70	146	70	114	155	M12	PL, SN, FM
CC68-81	68	81	146	70	114	155	M12	PL, SN, FM
CC80-92	80	92	176	75	142	155	M12	PL, SN, FM
CC92-106	92	106	176	75	142	155	M12	PL, SN, FM
Part Number (Trefoil)								
CCT26-38	26	38	135	60	100	116	M12	SN, PL, POLE, FM
CCT38-50	38	50	170	60	138	145	M12	SN, PL, POLE, FM
CCT50-60	50	60	200	60	160	164	M12	SN, PL, POLE, FM
CCT60-70	60	70	240	70	200	185	M12	SN, PL, POLE, FM
CCT70-80	70	80	240	70	200	185	M12	SN, PL, POLE, FM



Overhead & Underground

CMP Cable Cleats

CMP Products offers a comprehensive range of cable cleats that support cables and conductors, retaining the mechanical load of the cable itself and reducing the mechanical stress placed on any cable termination.

All of CMP range is designed, constructed, tested and third party certified in accordance with IEC 61914:2009 to ensure the safety of personnel, the protection of the cable management system and the operating environment.

This testing ensures that the cable cleats are capable of providing the necessary resistance to electromechanical forces, can retain the mechanical load that the cables and conductors are subjected to when under fault conditions, and will safely maintain the integrity of the cable.

For a more in depth look at CMP's Cable Cleats please visit: <https://www.cmp-products.com/cable-cleats/>

Sabre - (1BC)



- Third party certification to IEC 61914:2009
- Available in three different materials: Nylon, Low Smoke & Fume (LSF), Zero Halogen (LSOH), Phosphorus Free and V0 Nylon
- Sunlight (UV) & weather resistant
- Operating temperature -40°C to +60°C
- 10 - 57mm in 10 sizes
- Excellent axial & lateral load retention
- Single bolt fixing design

Falcon - (2BC)



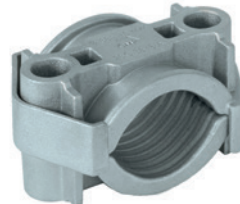
- Third party certification to IEC 61914:2009
- Available in three different materials: Nylon, Low Smoke & Fume (LSF), Zero Halogen (LSOH), Phosphorus Free and V0 Nylon
- Sunlight (UV) & weather resistant
- Operating temperature -40°C to +60°C
- Can be double stacked
- 38 - 135mm in 8 sizes
- Excellent axial & lateral load retention
- Two bolt fixing design

Valiant - (1BCAL)



- Third party certification to IEC 61914:2009
- Available in high pressure die cast aluminium
- Sunlight (UV) & weather resistant
- Operating temperature -60°C to +150°C
- Can be double stacked
- 10 - 71mm in 12 sizes
- Excellent axial & lateral load retention
- Single bolt fixing design

Zenith - (2BCAL)



- Third party certification to IEC 61914:2009
- Available in high pressure die cast aluminium
- Sunlight (UV) & weather resistant
- Operating temperature -60°C to +150°C
- Can be double stacked
- 38 - 151mm in 9 sizes
- Excellent axial & lateral load retention
- Two bolt fixing design

Sapphire - (SHDSS Single cable cleat)



- Third party certification to IEC 61914:2009
- 316L stainless steel
- 26 to 150 mm in 12 sizes for single / parallel formation
- Operating temperature -50°C to +60°C
- Can be double stacked
- Standard Liners which are classified as LowSmoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free
- Combined single (M12) and two bolt (M10) fixing design

Patriot - (SDSS cable cleat)



- Third party certification to IEC 61914:2009
- 316L stainless steel
- 19 - 128mm in 23 sizes for trefoil formation / application
- Operating temperature -50°C to +60°C
- Standard Liners which are classified as LowSmoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free
- Combined single (M10) or two bolt (M10) fixing design

Reference Tables

ACSR/GZ – Aluminium Conductor (Galvanized) Steel Reinforced.

Australian Standard Metric Conductors (Aust. Standard - AS1220 Part 1)

CODE NAME	STRANDS/ WIRE DIAMETER mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIVALENT ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MINIMUM BREAKING LOAD kN	APPROXIMATE MASS PER KM kg
Almond	6/1/2.50	7.50	29.0	34.36	10.5	119
Apple	6/1/3.00	9.00	41.8	49.48	14.9	171
Banana	6/1/3.75	11.3	65.2	77.31	22.8	268
Cherry	6/4.75 + 7/1.60	14.3	105	120.4	33.2	404
Grape	30/7/2.50	17.5	144	181.6	63.7	675
Lemon	30/7/3.00	21.0	207	261.5	90.1	973
Lime	30/7/3.50	24.5	282	356.0	121	1320
Mango	54/7/3.00	27.0	373	431.2	118	1440
Orange	54/7/3.25	29.3	438	506.0	137	1690
Olive	54/7/3.50	31.5	508	586.9	159	1960
Paw Paw	54/3.75 + 19/2.25	33.8	583	671.7	179	2250
Peach	54/4.75 + 19/2.85	42.8	936	1078	284	3600
EXTRA HIGH STRENGTH						
Quince	3/4/1.75	5.25	8.77	16.84	12.7	95.9
Raisin	3/4/2.50	7.50	17.9	34.36	24.4	193
Sultana	4/3/3.00	9.00	31.6	49.48	28.3	242
Walnut	4/3/3.75	11.3	49.4	77.31	43.9	379

ACSR/AZ – Aluminium Conductor (Aluminised) Steel Reinforced.

Australian Standard Metric Conductors (Aust. Standard - AS1220 Part 2)

CODE NAME	STRANDS/ WIRE DIAMETER mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIVALENT ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MINIMUM BREAKING LOAD kN	APPROXIMATE MASS PER KM kg
Barley	6/1/2.50	7.50	29.0	34.36	10.3	119
Bean	6/1/3.00	9.00	41.8	49.48	14.5	171
Cabbage	6/1/3/75	11.3	65.2	77.31	21.5	268
Carrot	6/4.75 + 7/1.60	14.3	105	120.4	31.9	404
Corn	30/7/2.50	17.5	144	181.6	61.6	675
Garlic	30/7/3.00	21.0	207	261.5	87.2	973
Millet	30/7/3.50	24.5	282	356.0	116	1320
Oats	54/7/3.00	27.0	373	431.2	115	1140
Onion	54/7/3.25	29.3	438	506.0	132	1690
Parsnip	54/7/3.50	31.5	508	586.9	153	1960
Potato	54/3.75 + 19/2.25	33.8	583	671.7	177	2250
Rice	54/4.75 + 19/2.85	42.8	936	1078	277	3600

Reference Tables

ACSR/AC – Aluminium Conductor (Aluminium Clad) Steel Reinforced.

Australian Standard Metric Conductors (Aust. Standard - AS1220 Part 3)

CODE NAME	STRANDS/ WIRE DIAMETER mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIVALENT ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MINIMUM BREAKING LOAD kN	APPROXIMATE MASS PER KM kg
Angling	6/1/2.50	7.50	30.7	34.36	10.7	113
Archery	6/1/3.00	9.00	44.1	49.48	15.0	163
Baseball	6/1/3.75	11.3	68.9	77.31	22.4	255
Bowls	6/4.75+7/1.60	14.3	109	120.4	32.6	385
Cricket	30/7/2.50	17.5	155	181.6	64.6	635
Darts	30/7/3.00	21.0	224	261.5	91.3	913
Diving	30/7/3.50	24.5	305	356.0	121	1240
Golf	54/7/3.00	27.0	390	431.2	119	1380
Gymnastics	54/7/3.25	29.3	457	506.0	138	1620
Hurdles	54/7/3.50	31.5	530	586.9	159	1880
Lacrosse	54/3.75+19/2.25	33.8	608	671.7	181	2150
Rugby	54/4.75+19/2.85	42.8	976	1078	287	3450
EXTRA HIGH STRENGTH						
Skating	3/4/1.75	5.25	10.4	16.84	12.3	83.5
Soccer	3/4/2.50	7.50	21.2	34.36	24.9	170
Swimming	4/3/3.00	9.00	35.2	49.48	28.8	217
Tennis	4/3/3.75	11.3	54.9	77.31	42.8	339

AAC - All Aluminium Conductor.

Australian Standard Metric Conductors (Aust. Standard - AS1531 Part 1)

CODE NAME	STRANDS/ WIRE DIAMETER mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIVALENT ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MINIMUM BREAKING LOAD kN	APPROXIMATE MASS PER KM kg
Gemini	7/1.75	5.25	16.6	16.84	3.01	46.1
Jupiter	7/2.25	6.75	27.5	27.83	4.76	75.9
Leo	7/2.50	7.50	33.9	34.36	5.75	94.3
Libra	7/3.00	9.00	48.8	49.48	7.91	135
Mars	7/3.75	11.3	76.3	77.31	11.9	212
Mercury	7/4.50	13.5	110	111.3	16.8	305
Moon	7/4.75	14.3	122	124.0	18.8	340
Neptune	19/3.25	16.3	155	157.6	24.7	433
Pluto	19/3.75	18.8	206	209.8	32.3	578
Saturn	37/3.00	21.0	256	261.5	41.8	721
Taurus	19/4.75	23.8	331	336.7	50.9	926
Triton	37/3.75	26.3	400	408.7	62.9	1130
Uranus	61/3.25	29.3	493	506.0	75.2	1400
Venus	61/3.75	33.8	659	673.7	98.3	1860
Virgo	91/4.50	49.5	1410	1447	207	4010

Reference Tables

AAAC – All Aluminium Alloy Conductor.

Australian Standard Metric Conductors (Aust. Standard - AS1531 Part 2)

CODE NAME	STRANDS/ WIRE DIAMETER mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIVALENT ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MINIMUM BREAKING LOAD kN	APPROXIMATE MASS PER KM kg
Agate	7/1.75	5.25	14.3	16.84	4.71	46.1
Amethyst	7/2.25	6.75	23.7	27.83	7.78	75.9
Diamond	7/2.50	7.50	29.3	34.36	9.64	94.3
Emerald	7/3.00	9.00	42.1	49.48	13.9	135
Garnet	7/3.75	11.3	65.8	77.31	21.7	211
Jade	7/4.50	13.5	94.8	111.3	31.2	304
Jasper	7/4.75	14.3	106	124.0	34.8	339
Opal	19/3.25	16.3	134	157.6	44.2	433
Pearl	19/3.75	18.8	178	209.8	58.8	576
Ruby	37/3.00	21.0	221	261.5	73.5	721
Rutile	19/4.75	23.8	285	336.7	94.4	924
Sapphire	37/3.75	26.3	345	408.7	115	1120
Spinel	61/3.25	29.3	426	506.0	135	1400
Topaz	61/3.75	33.8	568	673.7	179	1860
Zircon	91/4.50	49.5	1220	1447	384	4000

SC/GZ – Steel Conductor/Galvanised.

Australian Standard Metric Conductors (Aust. Standard - AS1222 Part 1)

STRANDS/WIRE DIAMETER /mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIV. ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MIN. BREAKING LOAD kN	APPROXIMATE MASS PER Km kg
3/2.00	4.31	1.56	9.425	11.7	75.5
3/2.75	5.93	2.95	17.82	22.2	139
7/2.00	6.00	3.62	21.99	27.4	177
7/2.75	8.25	6.85	41.58	51.8	326
7/3.25	9.75	9.56	58.07	72.3	460
7/3.75	11.3	12.7	77.31	96.2	609
19/2.00	10.0	9.79	59.69	74.4	483
19/2.75	13.8	18.5	112.9	141.0	888
19/3.25	16.3	25.8	157.6	196.0	1250

SC/GZ – Steel Conductor/Aluminium Clad.

Australian Standard Metric Conductors (Aust. Standard - AS1222 Part 2)

STRANDS/WIRE DIAMETER /mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIV. ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MIN. BREAKING LOAD kN	APPROXIMATE MASS PER Km kg
3/2.75	5.93	5.91	17.82	22.7	118
3/3.00	6.47	7.03	21.21	27.0	141
3/3.25	7.00	8.26	24.89	31.6	165
3/3.75	8.08	11.0	33.13	40.0	220
7/2.75	8.25	13.7	41.58	50.1	277
7/3.00	9.00	16.3	49.48	59.7	330
7/3.25	9.75	19.2	58.07	69.8	387
7/3.75	11.3	25.5	77.31	88.3	515
7/4.25	12.8	32.8	99.3	106	662
19/2.75	13.8	37.1	112.9	136	755
19/3.00	15.0	44.1	134.3	162	899
19/3.25	16.3	51.8	157.6	189	1060
19/3.75	18.8	68.9	209.8	240	1410
19/4.25	21.3	88.6	269.5	289	1800

Reference Tables

HDC - Hard Drawn Copper Conductor Australian Standard Metric Conductors (Aust. Standard - AS1746 1975)

STRANDS/WIRE DIAMETER /mm	OVERALL DIAMETER (APPROX) mm	CALCULATED EQUIV. ALUMINIUM AREA mm ²	SECTIONAL AREA mm ²	CALCULATED MIN. BREAKING LOAD kN	APPROXIMATE MASS PER Km kg
7/1.00	3.00	8.68	5.498	2.31	49.3
7/1.25	3.75	13.6	8.589	3.61	76.9
7/1.75	5.25	26.6	16.84	6.89	151
7/2.00	6.00	34.7	21.99	9.02	197
7/2.75	8.25	65.3	41.58	16.7	375
7/3.50	10.5	106	67.35	26.6	607
19/1.75	8.75	71.7	45.70	18.3	413
19/2.00	10.0	93.7	59.69	23.9	538
19/2.75	13.8	177	112.9	44.5	1020
19/3.00	15.0	211	134.3	52.8	1210
37/1.75	12.3	139	89.0	35.6	806
37/2.50	17.5	284	181.6	72.9	1640
37/2.75	19.3	344	219.8	86.6	1990
37/3.00	21.0	409	261.5	103	2370
61/2.75	24.8	566	362.3	143	3280

A.C.S.R Conductor Sizes

METRIC			IMPERIAL		
CODE NAME	STRANDING	CONDUCTOR O.D. mm inches	CODE NAME	STRANDING	O.D. inches
Almond	6/2.50 + 1/2.50	7.50 .295	Gopher	6/1/093	.279
Apple	6/3.00 + 1/3.00	9.00 .354	Ferret	6/1/118	.354
Banana	6/3.75 + 1/3.75	11.3 .445	Mink	6/1/144	.432
Cherry	6/4.75 + 7/1.60	14.3 .563	Dog	6/186 + 7/062	.558
Grape	30/2.50 + 7/2.50	17.5 .689	Wolf	30/7/102	.714
Lemon	30/3.00 + 7/3.00	21.0 .827	Panther	30/7/118	.826
Lime	30/3.50 + 7/3.50	24.5 .965	Bear	30/7/132	.924
Mango	54/3.00 + 7/3.00	27.0 1.063	Bison	54/7/118	1.062
Orange	54/3.25 + 7/3.25	29.3 1.154	Brolga	54/7/129	1.162
Olive	54/3.50 + 7/3.50	31.5 1.240	Moose	54/7/139	1.251
Paw Paw	54/3.75 + 19/2.25	33.8 1.331	Finch	54/143 + 19/086	1.293

Stranded Hard Drawn Copper Conductor Sizes

METRIC			IMPERIAL		
CODE NAME	CONDUCTOR O.D.		CODE NAME	CONDUCTOR O.D.	
	mm	inches		mm	inches
7/1.00	3.00	.118	7/036	2.7	.108
7/1.25	3.75	.148	7/048	3.7	.144
7/1.75	5.25	.207	7/064	4.9	.192
7/2.0	6.00	.236	7/080	6.1	.240
7/2.75	8.25	.325	19/064	8.1	.320
19/1.75	8.75	.345	7/118	9.0	.354
19/2.0	10.0	.394	7/136	10.3	.408
7/3.50	10.5	.413	19/083	10.5	.415
37/1.75	12.25	.484	37/072	12.8	.504
19/2.75	13.75	.541	-	-	-
19/3.00	15.0	.591	19/116	14.7	.580
37/2.50	17.5	.689	37/093	16.5	.651
37/2.75	19.25	.758	37/103	18.3	.721
37/3.00	21.0	.827	37/118	21.0	.826
61/2.75	24.75	.974	91/093	26.0	1.023

Reference Tables

Annealed Aluminium and Copper Stranded Conductors

Cable Cross Sections

METRIC			IMPERIAL				
NOMINAL CROSS SECTIONAL AREA mm ²	NUMBER AND NOMINAL DIA. OF WIRES mm	NOMINAL DIA. OF CONDUCTOR mm	NOMINAL CROSS SECTIONAL AREA mm ²	NUMBER AND NOMINAL DIA. DIA. OF WIRES		NOMINAL CROSS SECTIONAL AREA inches ²	NOMINAL DIA. OF CONDUCTOR mm
				inches	mm		
1	1/1.13	1.13	.97	1/.044	1/1.12	.0015	1.12
-	-	-	1.25	3/.029	3/.737	.0019	1.59
1.5	1/1.38	1.38	-	-	-	-	-
-	-	-	1.93	3/.036	3/.914	.003	1.97
2.5	7/0.67	2.01	-	-	-	-	-
-	-	-	2.93	7/.029	7/.737	.0045	2.21
4	7/0.85	2.55	-	-	-	-	-
-	-	-	4.52	7/.036	7/.914	.007	2.74
6	7/1.04	3.12	-	-	-	-	-
-	-	-	6.75	7/.044	7/1.12	.010	3.35
-	-	-	9.43	7/.052	7/1.32	.0146	3.96
10	7/1.35	4.05	-	-	-	-	-
-	-	-	14.28	7/.064	7/1.63	.0025	4.88
16	7/1.70	5.10	-	-	-	-	-
-	-	-	18.29	19/.044	19/1.12	.03	5.59
25	7/2.14	6.75	25.5	19/.052	19/1.32	.04	6.60
35	19/1.53	7.65	-	-	-	-	-
-	-	-	38.7	19/.064	19/1.63	.06	8.13
50	19/1.78	8.90	-	-	-	-	-
-	-	-	65.1	19/.083	19/2.11	.10	10.5
70	19/2.14	10.70	-	-	-	-	-
-	-	-	75.3	37/.064	37/1.63	.12	11.4
95	19/2.52	12.60	95.3	37/.072	37/1.83	.15	12.8
120	37/2.03	14.21	126.7	37/.083	37/2.11	.20	14.8
150	37/2.25	15.75	-	-	-	-	-
-	-	-	159.1	37/.093	37/2.36	.25	16.5
185	37/2.52	17.64	-	-	-	-	-
-	-	-	195.1	37/.103	37/2.62	.30	18.3
240	61/2.25	20.25	-	-	-	-	-
-	-	-	262.2	61/.093	61/2.36	.40	21.3
300	61/2.52	22.68	-	-	-	-	-
-	-	-	321.6	61/.103	61/2.62	.50	23.5
-	-	-	391.1	91/.093	91/2.36	.60	26.0
400	61/2.85	25.65	-	-	-	-	-
-	-	-	479.7	91/.103	91/2.62	.75	28.8
500	61/3.20	28.80	-	-	-	-	-
630	127/2.52	32.76	-	-	-	-	-
-	-	-	669.4	127/.103	127/2.62	1.00	34.0
800	127/2.85	37.05	800.00	127/.112	127/2.84	1.24	36.92
1000	127/3.20	41.60	1000.0	127/.125	127/3.18	1.50	41.34

Reference Tables

Overhead Conductors

AAC				AAAC (1120)				AAAC (6201A)				ACSR			
CODE	STRAND AL	O.D. mm	AREA mm ²	CODE	STRAND AL	O.D. mm	AREA mm ²	CODE	STRAND AL	O.D. mm	AREA mm ²	CODE	STRAND AL	O.D. mm	AREA mm ²
Gemini	7/1.75	5.25	16.8	Argon	7/1.75	5.25	16.8	Agate	7/1.75	5.25	16.8	Quince*	3/4/1.75	5.25	16.8
Jupiter	7/2.25	6.75	27.8	Boron	7/2.25	6.75	27.8	Amethyst	7/2.25	6.75	27.8				
Leo	7/2.50	7.50	34.4	Chlorine	7/2.50	7.50	34.4	Diamond	7/2.50	7.50	34.4	Almond	6/1/2.50	7.50	34.4
												Raisin*	3/4/2.50	7.50	34.4
Leonids	7/2.75	8.25	41.6	Chromium	7/2.75	8.25	41.6	Dolomite	7/2.75	8.25	41.6				
Libra	7/3.00	9.00	49.5	Fluorine	7/3.00	9.00	49.5	Emerald	7/3.00	9.00	49.5	Apple	6/1/3.00	9.00	49.5
												Sultana*	4/3/3.00	9.00	49.5
Mars	7/3.75	11.25	77.3	Helium	7/3.75	11.25	77.3	Garnet	7/3.75	11.25	77.3	Banana	6/1/3.75	11.25	77.3
												Walnut*	4/3/3.75	11.25	77.3
Mercury	7/4.50	13.50	111.3	Hydrogen	7/4.50	13.50	111.3	Jade	7/4.50	13.50	111.3				
Moon	7/4.75	14.25	124.0	Iodine	7/4.75	14.25	124.0	Jasper	7/4.75	14.25	124.0	Cherry	6/4.75 7/1.60	14.30	120.4
Neptune	19/3.25	16.25	157.6	Krypton	19/3.25	16.25	157.6	Opal	19/3.25	16.25	157.6				
Orion	19/3.50	17.50	182.8	Lutetium	19/3.50	17.50	182.50	Patronite	19/3.50	17.50	182.50	Grape	30/7/2.50	17.50	181.6
Pluto	19/3.75	18.75	209.8	Neon	19/3.75	18.75	209.8	Pearl	19/3.75	18.75	209.8				
Saturn	37/3.00	21.00	261.5	Nitrogen	37/3.00	21.00	261.5	Ruby	37/3.00	21.00	261.5	Lemon	30/7/3.00	21.00	261.5
Sirius	37/3.25	22.75	306.9	Nobelium	37/3.25	22.75	306.9	Ruthenium	37/3.25	22.75	306.9				
Taurus	19/4.75	23.75	336.7	Oxygen	19/4.75	23.75	336.7	Rutile	19/4.75	23.75	336.7				
												Lime	30/7/3.50	24.50	356.0
Triton	37/3.75	26.25	408.6	Phosphorus	37/3.75	26.25	408.6	Sapphire	37/3.75	26.25	408.6				
												Mango	54/7/3.00	27.00	431.2
Uranus	61/3.25	29.25	506.4	Selenium	61/3.25	29.25	506.4	Spinel	61/3.25	29.5	506.4	Orange	54/7/3.25	29.25	506.4
Ursula	61/3.50	31.50	586.9	Silicon	61/3.50	31.50	586.9	Tantalum	61/3.50	31.50	586.9	Olive	54/7/3.50	31.50	586.9
Venus	61/3.75	33.75	673.7	Sulphur	61/3.75	33.75	673.7	Topaz	61/3.75	33.75	673.7	Paw Paw	54/3.75 19/2.25	33.75	672.0
												Peach	54/4.75 19/2.85	42.75	1078.0
Virgo	91/4.50	49.50	1447.0	Xenon	91/4.50	49.50	1447.0	Zircon	91/4.50	49.50	1447.0				

Reference Tables

Nominal Cable Dimensions

CROSS SECTION AREA mm ²	STRAND NO./WIRE DIA.	O.D. OF CONDUCT	O.D. OF P.V.C. SINGLE CORE CABLE	O.D. OF P.V.C. INS. SINGLE CORE SHEATHED	O.D. OF SINGLE CORE XLPE/PVC	TWO CORE	TWO CORE + EARTH	THREE CORE + EARTH	FOUR CORE + EARTH
1	1/1.13 7/0.40	1.13 1.20	2.8	4.1					
1.5	1/1.38 7/0.50	1.38 1.5	3.2	4.4		9.4			
2.5	7/0.67	2.01	3.7	5.1		10.8			
4	7/0.85	2.55	4.6	6.0		12.2			
6	7/1.04	3.12	5.2	6.6		13.4			
10	7/1.35	4.05	6.1	8.1			16.6	18.1	20.0
16	7/1.70	5.10	7.2	9.3			18.6	20.4	22.6
25	19/1.35	6.75	8.9		11.4		22.1	23.8	26.5
35	19/1.53	7.65	10.1		12.6		24.4	26.5	29.5
50	19/1.78	8.9	11.9		14.1		28.0	30.6	34.3
70	19/2.14	10.70	13.5		16.0		31.5	34.8	39.0
95	37/1.78	12.46	15.9		18.2			39.6	44.6
120	37/2.03	14.21	17.4		20.0			43.3	48.8
150	37/2.25	15.75	19.5		22.2			48.4	54.6
185	37/2.52	17.64			24.4			53.7	60.7
240	61/2.25	20.25			27.4			61.0	69.1
300	61/2.52	22.68			30.3			67.6	76.6
400	61/2.85	25.65			33.8				
500	61/3.20	28.80			35.7				
630	127/2.52	32.76			40.2				

Heat Shrink Sizes to Suit Lugs and Busbar

Part Number	Inside Diameter (mm)	Lay Flat (mm)	Lug Size (mm ²)	Busbar Size (mm)
HS005	5	8	1.5 - 2.5	-
HS007	7	11	6.0	-
HS010	10	16	10 - 16	-
HS013	13	19	25 - 35	-
HS016	16	25	50	-
HS020	20	32	70 - 90	20 X 6.3
HS025	25	38	120 - 150	25 X 6.3 - 30 X 6.3
HS040	40	60	184 - 400	40 X 6.3 - 50 X 6.3
HS050	50	80	500 - 630	63 X 6.3
HS076	76	120	-	80 X 6.3 - 100 X 6.3
HS100	100	160	-	125 X 6.3

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