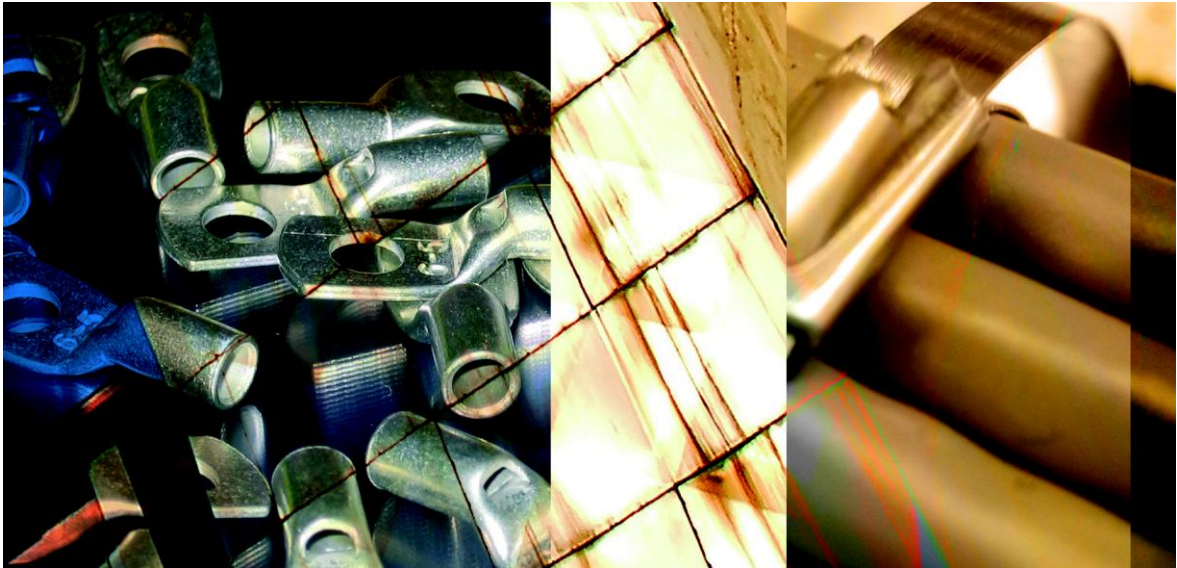


Cable Accessories



Copper Lugs & Links	A1 – A3
Standard & Bellmouth	
Circuit Breaker	
Long Palm	
Copper Links	
Cable Glands	A4
Nylon IP68	
Metal – unarmoured IP68	
Cable Ties	A5, A6
Nylon	
Stainless Steel	
Velcro	
Pre-Insulated Terminals	A7, A8
Ring	
Forked	
Pin	
Butt Connectors	
Boot Lace Pins	A9
Insulated – single & twin	
Un-insulated	
Miscellaneous	A10
Cable Markers	
Cable Clips	
Gyprock 'C' Brackets	
Insulation Tape	
Heat Shrink	A11
Glands & Heat Shrink Selection Charts	A12
Price List	A13

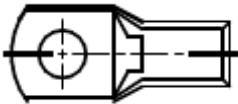


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Standard Lugs – Straight Barrel



Our range of copper cable lugs and links have been designed to meet the demands of the majority of end users including electricity authorities, contractors, switchboard manufacturers and the electrical trade in general. Made from 99% (conductivity) copper, and electro-tinned plated, barrels are straight for sizes 1.5 to 6mm² and from 120 to 630mm². All other sizes are bellmouth to aid insertion of multistrand flexible cables.

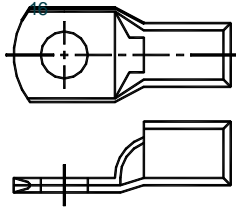


Part No.	Wire Size mm ²	STUD SIZE (mm)	Barrel ID	Dimensions in mm				Qty per Pack
				Barrel Length	Palm Length	Palm Width	OA Length	
CL1.5-4	1.5	4	1.8	7	9	8	18	100
CL1.5-6		6		7	11	10	20	
CL2.5-4	2.5	4	2.4	7	9	8	18	100
CL2.5-5		5		7	11	10	20	
CL2.5-6		6		7	11	10	20	
CL2.5-8		8		7	15	11	24	
CL4-5	4	5	3.1	9	11	10	22	100
CL4-6		6		9	11	10	22	
CL4-8		8		9	15	12	22	
CL4-10		10		9	15	15	26	
CL6-5	8	5	3.8	9	11	10	23	100
CL6-6		6		9	15	12	27	
CL6-8		8		9	15	12	27	
CL6-10		10		9	20	16	32	



CL120-10	120	10	15.6	30	26	29	64	3
CL120-12		12		30	26	29	64	3
CL120-16		16		30	26	29	64	3
CL150-10	150	10	16.7	30	32	32	71	3
CL150-12		12		30	41	32	80	3
CL150-16		16		30	41	32	80	3
CL185-10	185	10	18.4	32	32	35	74	3
CL185-12		12		32	41	35	83	3
CL185-16		16		32	41	35	83	3
CL240	240	Blank	21.2	38	42	40	92	3
CL240-10		10		38	42	40	92	3
CL240-12		12		38	42	40	92	3
CL240-16		16		38	42	40	93	3
CL300	300	Blank	23.5	42	46	45	101	3
CL300-12		12		42	46	45	101	3
CL300-16		16		42	46	45	101	3
CL300-20		20		42	46	45	101	3
CL400	400	Blank	26.5	44	52	50	114	3
CL400-12		12		44	52	50	114	3
CL400-16		16		44	52	50	114	3
CL500	500	Blank	30	48	56	56	124	3
CL500-12		12		48	56	56	124	3
CL500-16		16		48	56	56	124	3
CL500-20		20		48	56	56	124	3
CL630	630	Blank	34	56	65	65	134	3
CL630-12		12		56	65	65	134	3
CL630-16		16		56	65	65	134	3
CL630-20		20		56	65	65	134	3

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Part No	size mm ²	size	ID	Dimensions in mm				OA length
				Barrel length	Palm length	Palm width	OA length	
CLB10-5	10	5	4.7	10	14	12	27	
CLB10-6		6		10	14	12	27	
CLB10-8		8		10	16	14	29	
CLB10-10		10		10	19	16	32	
CLB10-12		12		10	23	18	37	
CLB16-6	16	6	5.5	19	14	11	37	
CLB16-8		8		19	16	14	39	
CLB16-10		10		19	18	16	41	
CLB16-12		12		19	23	18	46	
CLB25-6		25		6	7.1	21	16	14
CLB25-8	8		21	16		14	41	
CLB25-10	10		21	19		16	44	
CLB25-12	12		21	23		18	48	
CLB35-6	35		6	8.2		21	18	16
CLB35-8		8	21		18	16	44	
CLB35-10		10	21		20	18	46	
CLB35-12		12	21		24	20	50	
CLB50-6		50	6		9.5	22	20	18
CLB50-8	8		22	20		18	48	
CLB50-10	10		22	20		18	48	
CLB50-12	12		22	24		21	52	
CLB70-8	70		8	11.2		24	24	21
CLB70-10		10	24		24	21	54	
CLB70-12		12	24		24	21	54	
CLB70-16		16	24		24	28	64	
CLB95-8		95	8		13.4	27	26	25
CLB95-10	10		27	26		25	60	
CLB95-12	12		27	26		25	60	
CLB95-16	16		27	30		28	64	
CLB120-10	120		10	15.6		30	26	29
CLB120-12		12	30		26	29	64	
CLB150-10	150	10	16.7	30	32	32	71	
CLB150-12		12		30	41	32	80	

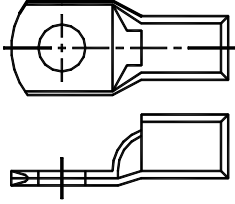
Long Palm Lugs – (Telco Earthing)



Part No	Cond. size mm ²	Stud size	Barrel ID	Dimensions in mm				OA length
				Barrel length	Palm length	Palm width	OA length	
CLLP-SB 25	25	8	7.4	23	50	15	78	
CLLP-SB 70	70	8	11.2	26	50	21	82	

Long Palm Lugs are standard barrel length, but have long palms with 2 holes. The 2 sizes here are commonly used in Telco earthing.

Circuit Breaker Lugs – Bellmouth



Part No	Cond. size mm ²	Stud size	Barrel ID	Dimensions in mm				Qty per pack
				Barrel length	Palm length	Palm width	OA length	
CLCB35-6	35	6	8.2	21	15	15	41	20
CLCB50-6	50	6	9.5	22	15	15	43	20
CLCB50-10		10		22	21	19	49	
CLCB70-6	70	6	11.2	24	15	17	45	20
CLCB70-10		10		24	21	19	51	
CLCB95-8	95	8	13.4	27	17	19	51	20
CLCB95-10		10		27	21	19	55	
CLCB120-8	120	8	15.6	30	23	19	61	3
CLCB120-10		10		30	23	19	61	
CLCB150-8	150	8	16.7	30	27	19	66	3
CLCB150-10		10		30	27	19	66	
CLCB185-10	185	10	18.4	32	32	31	74	3
CLCB240-10	240	10	21.2	38	32	31	82	3
CLCB240-12		12		38	32	31	82	
CLCB300-10	300	10	23.5	42	32	31	87	3
CLCB300-12		12		42	32	31	87	

Links



Part No	Cond. size mm ²	Stud size	Barrel ID	Dimensions in mm				Qty per pack
				Barrel length	Palm length	Palm width	OA length	
CLL1.5	1.5		1.8	20				100
CLL2.5	2.5		2.4	20				100
CLL4	4		3.1	22				100
CLL6	6		3.8	22				100
CLL10	10		4.7	25				50
CLL16	16		5.5	44				50
CLL25	25		7.1	48				50
CLL35	35		8.2	48				20
CLL50	50		9.5	52				20
CLL70	70		11.2	52				20
CLL95	95		13.4	54				20
CLL120	120		15.6	66				3
CLL150	150		16.7	66				3
CLL185	185		18.4	66				3
CLL240	240		21.2	90				3
CLL300	300		23.5	90				3
CLL400	400		26.8	90				3
CLL500	500		30	110				3
CLL630	630		34	110				3

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Nylon glands – IP68



Quality design with high tensile strength in black nylon 66, suitable for both indoor and outdoor applications. The standard thread length glands have good cable range in each size thus reducing the number of sizes to be stocked. The short thread length are a quality budget gland primarily for control panels and distribution boards where brass gland plates are not fitted.

Standard Thread Length



Part No	Threaded entry	Cable OA size	Dimensions in mm			Qty per pack
			Thread diameter	Panel mtg. hole	Thread length	
CGNL-M16	M16 x 1.5	6 - 10	16	16.5	15	24
CGNL-M20	M20 x 1.5	9 - 14	20	20.5	15	24
CGNL-M25	M25 x 1.5	13 - 18	25	25.5	15	24
CGNL-M32	M32 x 1.5	18 - 25	32	33	15	12
CGNL-M40	M40 x 1.5	24 - 30	40	41	20	6
CGNL-M50	M50 x 1.5	30 - 39	50	51	22	6
CGNL-M63	M63 x 1.5	40 - 48.5	63	64	25	6

Short Thread Length

Standard & Short Thread Length: UL Nylon 66; 94V-2. Sealing Ring: Rubber; Colour: Black; Threaded metric entry in standard length for control panel top/bottom entry, or long thread length for switchboard gland plates etc. Working temperature -40C to 100C. IP68 to IEC698.

Part No	Threaded entry	Cable OA size	Dimensions in mm			Qty per pack
			Thread diameter	Panel mtg. hole	Thread length	
CGN-M16	M16 x 1.5	4 - 8	16	16.5	8	24
CGN-M22	M22 x 1.5	10 - 14	22	22.5	10	24
CGN-M25	M25 x 1.5	13 - 18	25	25.5	10	24
CGN-M32	M32 x 1.5	16 - 21	32	33	11	12
CGN-M36	M36 x 1.5	18 - 25	36	37	12	12
CGN-M63	M63 x 1.5	37 - 44	63	64	14	6

Metal glands – Unarmoured IP68



Nickel plated brass body. Rubber sealing ring to IP68. Neoprene ring seals against the locknut. Locknut included. Standard thread length for most Australian applications.

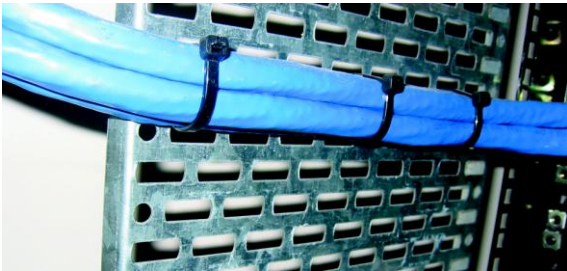
Part No	Threaded entry (mm)	Cable range dia. (mm)	C1 thread dia. (mm)	Panel mtg. hole (mm)	C1 thread length (mm)	Qty per box
CGMT-M20	M20 x 1.5	8 - 13	20	20.5	10	20
CGMT-M25	M25 x 1.5	11 - 17	25	25.5	10	15
CGMT-M32	M32 x 1.5	16 - 21	32	33	15	5
CGMT-M40	M40 x 1.5	19 - 28	40	41	15	3
CGMT-M50	M50 x 1.5	26 - 35	50	51	15	2
CGMT-M63	M63 x 1.5	32 - 43	63	64	15	2

General purpose metal unarmoured IP68 glands for applications in adverse environments, where nylon is not suitable. These glands can be used wherever metric threads are acceptable – electrical switchboards, control panels, machinery and motors.

For size selection see tables A12-1 to 6

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Nylon



Self locking nylon cable ties in natural (suffix W) and UV black to suit all applications. These cable ties have been rigorously tested to ensure adherence to the min.loop tensile strength specified. These ties are corrosion and heat resistant and suitable for all domestic, commercial and most industrial environments. Bulk orders of other colours are available on request.

Light Duty (8kg)

Part No.	Length (mm)	Width (mm)	Bundle dia. mm	Loop Tensile Strength	Qty per Pkt
CTN3-100W	100	2.5	22	8 kg	100
CTN3-150W	100	2.5	22	8kg	100
CTN3-100	100	2.5	22	8 kg	100
CTN3-150	150	2.5	35	8 kg	100

Standard Duty (18kg)

Part No	Length (mm)	Width (mm)	Bundle dia. (mm)	Loop tensile strength	Qty per pack
CTN4-150W	150	3.5	35	18kg	100
CTN4-200W	200	3.5	50	18kg	100
CTN4-250W	250	3.5	65	18kg	100
CTN4-150	150	3.5	35	18kg	100
CTN4-200	200	3.5	50	18kg	100
CTN4-250	250	3.5	65	18kg	100

Intermediate Duty (22kg)

Part No	Length (mm)	Width (mm)	Bundle dia. (mm)	Loop tensile strength	Qty per pack
CTN5-300W	300	4.8	82	22kg	100
CTN5-370W	370	4.8	102	22kg	100
CTN5-200	200	4.8	50	22kg	100
CTN5-250	250	4.8	65	22kg	100
CTN5-300	300	4.8	82	22kg	100
CTN5-370	370	4.8	102	22kg	100

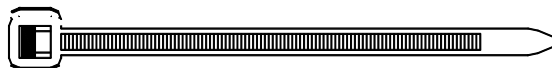
Heavy Duty

Part No	Length (mm)	Width (mm)	Bundle dia. (mm)	Loop tensile strength	Qty per pack
CTN8-250W	250	7.0	65	46kg	100
CTN8-300W	300	7.0	82	46kg	100
CTN8-350W	350	7.9	90	55kg	100
CTN8-200	200	7.0	50	46kg	100
CTN8-250	250	7.0	65	46kg	100
CTN8-300	292	7.0	82	46kg	100
CTN8-350	370	7.9	90	55kg	100
CTN9-450	430	9.0	130	91kg	100
CTN9-550	530	9.0	150	91kg	100

Extra Heavy Duty

Part No	Length (mm)	Width (mm)	Bundle dia. (mm)	Loop tensile strength	Qty per pack
CTN10-500	500	10.0	150	91kg	100
CTN12-600	600	12.0	190	114kg	100

Nylon 66, 94V-2 and UL certified.
Operating temperature range -35C to 85C.



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Stainless Steel



Self locking stainless steel ties suitable for heavy industrial environments, including petro-chemical, off-shore, mining and other applications where salt or corrosive chemicals are present. Designed with a ball bearing locking mechanism they are easy to install, tension and cut with the SS tensioning tool also available (see below).

316 grade Stainless Steel. Tensile strength: Std range: 46kg; Heavy Duty: 114kg. Operating temperature -60C to +400C. Resistant to most noxious environments.

	Part No	Length (mm)	Width (mm)	Bundle dia. (mm)	Loop tensile strength	Qty per pack
Standard Duty	CTSS5-200	200	4.6	50	46	100
	CTSS5-360	360	4.6	101	46	100
Heavy Duty	CTSS8-200	200	7.9	50	114	100
	CTSS8-360	360	7.9	101	114	100

Tensioning Tool



Part No	For use with SS Ties up to Thickness	Width	Qty per pack
CTTSS	0.3mm	7.9mm	1

Quality automatic tensioning and cutting tool for standard and heavy duty SS cable ties up to 7.9mm wide and 0.3mm thick.

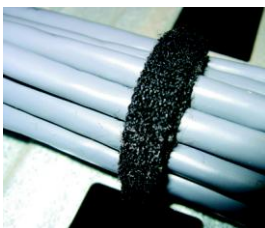
Velcro

One Wrap Continuous Strip

Part No.	LENGTH mm	WIDTH mm	BUNDLE DIA mm	Loop Tensile Strength	Qty per Pkt
CTV12-R	22.8m	12	na	na	1 roll
CTV19-R	22.8m	19	na	na	1 roll
CTV25-R	22.8m	25	na	na	1 roll
CTV50-R	22.8m	50	na	na	1 roll

One Wrap Preformed Straps

CTV19-S200	200mm	19	50	na	100
CTV25-S200	200mm	25	50	na	100

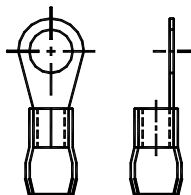


One-Wrap fasteners are genuine Velcro brand. The continuous strip can be cut to suit any bundle diameter. Velcro strip and wraps are self-gripping, adjustable, re-usable, CAT 6 compatible and cost-effective. Available in 11 colours, making it perfect for tracing networks.

Wraps around copper and fibre optic cables etc, then back on itself for a secure closure – no hardware or tools required. Won't overtighten or damage sensitive CAT 6 and fibre optic making it ideal for all phone and data communication cables.

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Ring Terminals



A complete range of standard pre-insulated terminals including ring terminals, forked spade terminals, pin terminals, butt connectors and boot lace pins for most instrumentation and control cabling applications where wire connections are required to be made to terminal blocks, relays, switchgear and the like. The range covers wire sizes from 1mm² to 4mm².

Red



Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
RT-R-3	0.25 - 1.65	M3	red	50
RT-R-3.5	0.25 - 1.65	M3.5	red	50
RT-R-4	0.25 - 1.65	M4	red	50
RT-R-5	0.25 - 1.65	M5	red	50
RT-R-6	0.25 - 1.65	M6	red	50
RT-R-8	0.25 - 1.65	M8	red	50
RT-R-10	0.25 - 1.65	M10	red	50

Blue



Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
RT-B-3	1.04 - 2.63	M3	blue	50
RT-B-3.5	1.04 - 2.63	M3.5	blue	50
RT-B-4	1.04 - 2.63	M4	blue	50
RT-B-5	1.04 - 2.63	M5	blue	50
RT-B-6	1.04 - 2.63	M6	blue	50
RT-B-8	1.04 - 2.63	M8	blue	50
RT-B-10	1.04 - 2.63	M10	blue	50

Yellow

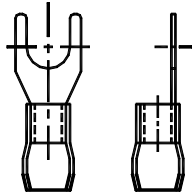


Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
RT-Y-3.5	2.6 - 6.64	M3.5	yellow	25
RT-Y-4	2.6 - 6.64	M4	yellow	25
RT-Y-5	2.6 - 6.64	M5	yellow	25
RT-Y-6	2.6 - 6.64	M6	yellow	25
RT-Y-8	2.6 - 6.64	M8	yellow	25
RT-Y-10	2.6 - 6.64	M10	yellow	25
RT-Y-12	2.6 - 6.64	M12	yellow	25

Pin Terminals



Part No	Wire size mm ²	Length	Colour	Pkt Qty
PT-R	1.5	14	red	100
PT-B	2.5	17	blue	100
PT-Y	4	20	yellow	50



Red



Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
ST-R-3	0.25 - 1.65	M3	red	50
ST-R-3.5	0.25 - 1.65	M3.5	red	50
ST-R-4	0.25 - 1.65	M4	red	50
ST-R-5	0.25 - 1.65	M5	red	50
ST-R-6	0.25 - 1.65	M6	red	50

Blue



Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
ST-B-3	1.04 - 2.63	M3	blue	50
ST-B-3.5	1.04 - 2.63	M3.5	blue	50
ST-B-4	1.04 - 2.63	M4	blue	50
ST-B-5	1.04 - 2.63	M5	blue	50
ST-B-6	1.04 - 2.63	M6	blue	50

Yellow



Part No	Wire size mm ²	Stud size	Colour	Pkt Qty
ST-Y-3.5	2.6 - 6.64	M3	yellow	25
ST-Y-4	2.6 - 6.64	M3.5	yellow	25
ST-Y-5	2.6 - 6.64	M4	yellow	25
ST-Y-6	2.6 - 6.64	M5	yellow	25
ST-Y-8	2.6 - 6.64	M6	yellow	25

Butt Connectors – Short & Long



Part No	Wire size mm ²	Length	Colour	Pkt Qty
ILS - RS	1.5	15	red	100
ILS - BS	2.5	15	blue	100
ILS - YS	4	15	yellow	100
ILS - RL	1.5	25	red	100
ILS - BL	2.5	25	blue	100
ILS - YL	4	27	yellow	100

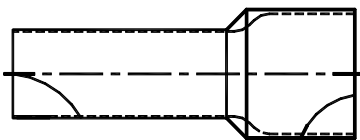
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Insulated

Part No	Wire size mm ²	Length mm	Colour	Pkt Qty
BL-0.5-8	0.5	8	white	100
BL-0.5-12	0.5	12	orange	100
BL-0.75-8	0.75	8	blue	100
BL-0.75-12	0.75	12	blue	100
BL-1.0-8	1	8	red	100
BL-1.0-12	1	12	red	100
BL-1.5-10	1.5	10	black	100
BL-1.5-18	1.5	18	black	100
BL-2.5-12	2.5	12	grey	100
BL-2.5-18	2.5	18	grey	100
BL-4-10	4	10	orange	100
BL-4-18	4	18	orange	100
BL-6-12	6	12	green	50
BL-6-18	6	18	green	50
BL-10-12	10	12	brown	25
BL-10-18	10	18	brown	25
BL-16-12	16	12	ivory	25
BL-16-18	16	18	ivory	25
BL-25-16	25	16	black	10
BL-25-22	25	22	black	10
BL-35-16	35	16	red	10
BL-35-25	35	25	brown	10
BL-50-16	50	16	blue	10
BL-50-25	50	25	olive	10

Un-insulated

Part No	Wire size mm ²	Length mm	Pkt Qty
UBL-0.5-6	0.5	6	100
UBL-0.75-6	0.75	6	100
UBL-1.0-6	1	6	100
UBL-1.0-10	1	10	100
UBL-1.5-7	1.5	7	100
UBL-1.5-10	1.5	10	100
UBL-2.5-7	2.5	7	100
UBL-2.5-12	2.5	12	100
UBL-4-9	4	9	100
UBL-4-12	4	12	100
UBL-6-10	6	10	100
UBL-6-12	6	12	100
UBL-6-15	6	18	100
UBL-10-12	10	12	100
UBL-10-15	10	15	100
UBL-10-18	10	18	100
UBL-16-12	16	12	50
UBL-16-15	16	15	50
UBL-16-18	16	18	50
UBL-25-16	25	16	50
UBL-25-22	25	22	50
UBL-35-16	35	16	50
UBL-35-25	35	25	50
UBL-50-20	50	20	50
UBL-50-25	50	25	50



Twin Boot Lace Pins

Part No	Wire size mm ²	Length mm	Colour	Pkt Qty
BLT-0.75	2 x 0.75	10	grey	100
BLT-1.0	2 x 1.0	10	red	100
BLT-1.5	2 x 1.5	12	black	100
BLT-2.5	2 x 2.5	13	blue	100



Boot Lace Pin Crimping Tools

Part No	Wire size mm ²	Pkt Qty
BL-T-0.5/6	0.5 to 6mm	1
BL-T-10/35	10 to 35mm	1



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Cable Markers



Part No	Description	Colour	Qty per roll
CM-0*	Cable Marker - "0"	yellow	1000 per roll
CM-A**	Cable Marker - "A"	yellow	1000 per roll
CMS	Cable Marker Strips	black	100 per pkt

Note* Numbers available are 0 to 8 inclusive (9 is an inverted 6)
 Note** Letters available are A to H inclusive

Cable Clips



Part No	Description	Cable size	Colour	Qty per pack
CCF - 2.5	Flat Cable Clips	2.5	white	100
CCF - 1.5	Flat Cable Clips	1.5	white	100

Gyprock 'C' Brackets



Part No	Description	Qty per pack
BRKT-C	Gyprock C-Brkt	25

Insulation Tape



Part No	Colour	Insulation voltage kV	Thickness mm	Roll size		Pack size
				Width mm	Length mm	
Standard Colours						
IT-R-P	red	0.72kV	0.15	19	20	10 rolls
IT-W-P	white	0.72kV	0.15	19	20	10 rolls
IT-B-P	blue	0.72kV	0.15	19	20	10 rolls
IT-Bk-P	black	0.72kV	0.15	19	20	10 rolls
IT-Y/G-P	yellow/grn	0.72kV	0.15	19	20	10 rolls
IT-RP-P	rainbow	0.72kV	0.15	19	20	10 rolls
Additional Colours						
IT-G-P	green	0.72kV	0.15	19	20	10 rolls
IT-Y-P	yellow	0.72kV	0.15	19	20	10 rolls

Electrical Insulation Tape available in Red, White, Blue, Black and Yellow/Green. Rainbow Packs have 2 of each colour R, W, B; 3 of Bk and 1 Y/G.

PVC Insulation Tape with tensile adhesion of 20N/cm and 180% elongation. Rubber adhesive has a peel adhesion of 1.5 N/cm. Electrical voltage breakdown of 7kV per mm (>0.72kV for 0.15mm thickness).

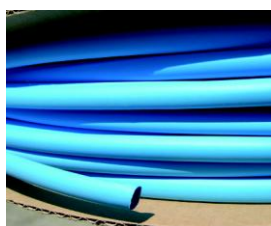
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Thin wall flame retardant polyolefin tubing for heat shrink insulation of bare conductors including busbar. Shrink Ratio of 2:1 for all general applications. Standard colours are Red, White, Blue, Black and Yellow/Green.

Temperature rating 125C; 600V. UL & CSA Approved.

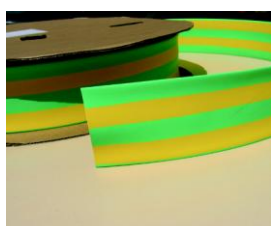
Colour Heatshrink – Red, White, Blue and Black



Part No	Colour	Expanded diameter mm	Recovered size		Lay flat width mm	Reel qty m	Cut length m
			Diameter mm	Wall thk mm			
HST1.6-*	R, W, B, BK	1.6	0.8	0.36	na	200	1.2
HST2.4-*	R, W, B, BK	2.4	1.2	0.44	na	200	1.2
HST3.2-*	R, W, B, BK	3.2	1.6	0.44	na	200	1.2
HST4.8-*	R, W, B, BK	4.8	2.4	0.50	8	100	1.2
HST6.4-*	R, W, B, BK	6.4	3.2	0.50	10	100	1.2
HST10-*	R, W, B, BK	9.5	4.7	0.56	15	100	1.2
HST13-*	R, W, B, BK	12.7	6.4	0.69	20	50	1.2
HST19-*	R, W, B, BK	19.1	9.5	0.89	30	50	1.2
HST25-*	R, W, B, BK	25.4	12.7	0.89	40	50	1.2
HST38-*	R, W, B, BK	38.1	19.0	1.10	60	50	1.2
HST50-*	R, W, B, BK	50.8	25.4	1.15	80	50	1.2
HST76-*	R, W, B, BK	76.0	38.0	1.20	119	30	1.2
HST102-*	R, W, B, BK	102.0	51.0	1.30	160	30	1.2
HST120-*	R, W, B, BK	125.0	62.5	1.40	196	15	1.2

Use colour suffix with part no., i.e. * R - Red; W - White; B - Blue; Bk - Black

Colour Heatshrink – Yellow/Green



Part No	Colour	Expanded diameter mm	Recovered size		Lay flat width mm	Reel qty m	Cut length m
			Diameter mm	Wall thk mm			
HST1.6-Y/G	yellow/green	1.6	0.8	0.36	na	200	1.2
HST2.4-Y/G	yellow/green	2.4	1.2	0.44	na	200	1.2
HST3.0-Y/G	yellow/green	3.0	1.5	0.44	na	200	1.2
HST5-Y/G	yellow/green	5.0	2.5	0.50	8	100	1.2
HST6.0-Y/G	yellow/green	6.0	3.0	0.56	9	100	1.2
HST10-Y/G	yellow/green	10.0	5.0	0.56	16	100	1.2
HST13-Y/G	yellow/green	13.0	6.5	0.69	20	50	1.2
HST19-Y/G	yellow/green	20.0	10.0	0.89	31	50	1.2
HST25-Y/G	yellow/green	25.0	12.5	0.89	39	50	1.2
HST38-Y/G	yellow/green	40.0	20.0	1.10	63	50	1.2
HST50-Y/G	yellow/green	50.0	25.0	1.15	79	50	1.2

Clear Heatshrink



Part No	Colour	Expanded diameter mm	Recovered size		Lay flat width mm	Reel qty m	Cut length m
			Diameter mm	Wall thk mm			
HST4.5-CL	clear	4.5	1.5	0.50	7	100	1.2
HST6.4-CL	clear	6.0	2.0	0.56	9	100	1.2
HST10-CL	clear	9.5	4.8	0.56	15	100	1.2
HST13-CL	clear	13.0	6.5	0.69	20	50	1.2
HST19-CL	clear	20.0	10.0	0.89	31	50	1.2
HST25-CL	clear	25.0	12.5	0.89	39	50	1.2
HST38-CL	clear	38.1	19.0	1.10	60	50	1.2

For size selection see tables A12 – 1 to 6

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Selection Chart Nylon Glands & Heatshrink

A12-1

Single core

PVC

Single Core Cu PVC Insulated (Unsheathed)

WF Energy Controls offers its customers 2 types of nylon IP68 glands.

The standard glands have long length threads and are suitable where gland plates are used and extra thread length is required. These glands also have good cable range in each size thus reducing the number of sizes to be stocked.

The short thread length are a quality budget gland primarily for control panels and distribution boards where the gland is mounted directly through the panel. They are also useful where space is tight within the cabinet.

Cable details		Metal glands	Cable glands		Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm		Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
1.5	3.0	na	na	na	4.8	HSTL4.8-*
2.5	3.6	na	CGN-M16	na	6.4	HSTL6.4-*
4	4.5	na	CGN-M16	na	6.4	HSTL6.4-*
6	5.1	na	CGN-M16	na	10	HSTL10-*
10	6.0	na	CGN-M20	CGNL-M16	10	HSTL10-*
16	6.9	na	CGN-M20	CGNL-M16	10	HSTL10-*
25	8.4	CGMT-M20	CGN-M20	CGNL-M16	13	HSTL13-*
35	9.4	CGMT-M20	CGN-M20	CGNL-M16	13	HSTL13-*
50	10.9	CGMT-M20	CGN-M22	CGNL-M20	19	HSTL19-*
70	12.7	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19-*
95	15.1	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
120	17.3	CGMT-M32	CGN-M25	CGNL-M25	25	HSTL25-*
150	18.8	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25-*
185	21.1	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
240	24.1	CGMT-M40	CGN-M40	CGNL-M32	38	HSTL38-*
300	26.9	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
400	30.6	CGMT-M50	CGN-M40	CGNL-M50	50	HSTL50-*
500	34.1	CGMT-M50	CGN-M50	CGNL-M50	50	HSTL50-*
630	37.8	CGMT-M63	CGN-M50	CGNL-M50	50	HSTL50-*

Single core

PVC/PVC

Single Core Cu PVC Insulated, PVC Sheathed

Cable dimensions vary from manufacturer to manufacturer. Nominal cable diameters provided here are to be used as a guide only. Measure twice, Order once!

Product Code (HSTL) for Heatshrink is for standard 1.2m lengths. Add colour letter req'd e.g. HSTL25-R. For reels the Product Code is HST followed by the colour letter (e.g. R - red).

Cable details		Metal glands	Cable glands		Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm		Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
1.5	4.5	na	na	na	6.4	HSTL6.4-*
2.5	5.2	na	na	na	10	HSTL10-*
4	6.2	na	CGN-M20	CGNL-M16	10	HSTL10-*
6	6.7	na	CGN-M20	CGNL-M16	10	HSTL10-*
10	8.1	CGMT-M20	CGN-M20	CGNL-M16	13	HSTL13-*
16	9.4	CGMT-M20	CGN-M20	CGNL-M16	13	HSTL13-*
25	11.2	CGMT-M20	CGN-M20	CGNL-M20	19	HSTL19-*
35	12.2	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19-*
50	13.8	CGMT-M25	CGN-M22	CGNL-M25	25	HSTL25-*
70	15.5	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
95	18.2	CGMT-M32	CGN-M32	CGNL-M25	25	HSTL25-*
120	20.4	CGMT-M32	CGN-M32	CGNL-M32	38	HSTL38-*
150	22.1	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
185	24.5	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38-*
240	27.8	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
300	30.8	CGMT-M50	CGN-M40	CGNL-M50	50	HSTL50-*
400	34.7	CGMT-M63	CGN-M50	CGNL-M50	50	HSTL50-*
500	38.4	CGMT-M63	CGN-M63	CGNL-M50	50	HSTL50-*
630	42.2	CGMT-M63	CGN-M63	CGNL-M63	76	HSTL76-*

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A12-2

Selection Chart Nylon Glands & Heatshrink

Single core

XLPE/PVC

Single Core Cu XLPE Insulated, PVC Sheathed

WF Energy Controls offers its customers 2 types of nylon IP68 glands.

The standard glands have long length threads and are suitable where gland plates are used and extra thread length is required. These glands also have good cable range in each size thus reducing the number of sizes to be stocked.

The short thread length are a quality budget gland primarily for control panels and distribution boards where the gland is mounted directly through the panel. They are also useful where space is tight within the cabinet.

Cable dimensions vary from manufacturer to manufacturer. Nominal cable diameters provided here are to be used as a guide only. Measure twice, Order once!

Product Code (HSTL) for Heatshrink is for standard 1.2m lengths. Add colour letter req'd e.g. HSTL25-R. For reels the Product Code is HST followed by the colour letter (e.g. R - red).

Cable details		Cable glands			Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm	Metal glands	Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
16	9.1	CGMT-M20	CGN-M20	CGNL-M20	13	HSTL13-*
25	10.6	CGMT-M20	CGN-M20	CGNL-M20	13	HSTL13-*
35	11.6	CGMT-M20	CGN-M22	CGNL-M20	19	HSTL19-*
50	13.0	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19-*
70	14.9	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
95	17.2	CGMT-M32	CGN-M32	CGNL-M25	25	HSTL25-*
120	19.6	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25-*
150	21.3	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
185	23.5	CGMT-M40	CGN-M40	CGNL-M32	38	HSTL38-*
240	26.6	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38-*
300	29.4	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
400	33.3	CGMT-M50	CGN-M50	CGNL-M50	50	HSTL50-*
500	37.0	CGMT-M63	CGN-M63	CGNL-M50	50	HSTL50-*
630	41.4	CGMT-M63	CGN-M63	CGNL-M63	76	HSTL76-*

2 core + earth circular cable

PVC/PVC

2 Core + Earth PVC Insulated, PVC Sheathed

WF Energy Controls offers its customers 2 types of nylon IP68 glands.

The standard glands have long length threads and are suitable where gland plates are used and extra thread length is required. These glands also have good cable range in each size thus reducing the number of sizes to be stocked.

The short thread length are a quality budget gland primarily for control panels and distribution boards where the gland is mounted directly through the panel. They are also useful where space is tight within the cabinet.

Cable details		Cable glands			Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm	Metal glands	Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
1.5	10.0	CGMT-M20	CGN-M20	CGNL-M20	19	HSTL19-*
2.5	10.8	CGMT-M20	CGN-M20	CGNL-M20	19	HSTL19-*
4	12.7	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19-*
6	13.4	CGMT-M25	CGN-M22	CGNL-M20	25	HSTL25-*
10	16.5	CGMT-M25	CGN-M32	CGNL-M25	25	HSTL25-*
16	18.5	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25-*
25	20.6	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
35	22.7	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
50	25.8	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38-*

3 core + earth circular cable

PVC/PVC

3 Core + Earth PVC Insulated, PVC Sheathed

Cable dimensions vary from manufacturer to manufacturer. Nominal cable diameters provided here are to be used as a guide only. Measure twice, Order once!

Product Code (HSTL) for Heatshrink is for standard 1.2m lengths. Add colour letter req'd e.g. HSTL25-R. For reels the Product Code is HST followed by the colour letter (e.g. R - red).

Cable details		Cable glands			Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm	Metal glands	Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
1.5	10.7	CGMT-M20	CGN-M20	CGNL-M20	19	HSTL19-*
2.5	11.3	CGMT-M20	CGN-M22	CGNL-M20	19	HSTL19-*
4	13.8	CGMT-M25	CGN-M22	CGNL-M20	25	HSTL25-*
6	14.8	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
10	18.1	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25-*
16	20.5	CGMT-M40	CGN-M32	CGNL-M32	38	HSTL38-*
25	22.4	CGMT-M40	CGN-M40	CGNL-M32	38	HSTL38-*
35	24.8	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38-*
50	28.4	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
70	32.7	CGMT-M50	CGN-M50	CGNL-M50	50	HSTL50-*
95	37.5	CGMT-M60	CGN-M50	CGNL-M50	50	HSTL50-*
120	42.4	CGMT-M60	CGN-M63	CGNL-M63	76	HSTL76-*
150	46.5	na	na	CGNL-M63	76	HSTL76-*
185	51.9	na	na	na	76	HSTL76-*
240	59.2	na	na	na	102	HSTL102-*
300	66.2	na	na	na	102	HSTL102-*

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A12-4

Selection Chart Nylon Glands & Heatshrink

4 core + earth circular cable

PVC/PVC

4 Core + Earth PVC Insulated, PVC Sheathed

WF Energy Controls offers its customers 2 types of nylon IP68 glands.

The standard glands have long length threads and are suitable where gland plates are used and extra thread length is required. These glands also have good cable range in each size thus reducing the number of sizes to be stocked.

The short thread length are a quality budget gland primarily for control panels and distribution boards where the gland is mounted directly through the panel. They are also useful where space is tight within the cabinet.

Cable details		Cable glands			Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm	Metal glands	Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
1.5	11.5	CGMT-M20	CGN-M22	CGNL-M20	19	HSTL19-*
2.5	13.3	CGMT-M25	CGN-M22	CGNL-M20	25	HSTL25-*
4	15.1	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
6	16.2	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25-*
10	19.9	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25-*
16	22.7	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
25	24.7	CGMT-M40	CGN-M40	CGNL-M32	38	HSTL38-*
35	27.4	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
50	31.6	CGMT-M50	CGN-M40	CGNL-M50	50	HSTL50-*
70	36.4	CGMT-M63	CGN-M50	CGNL-M50	50	HSTL50-*
95	42.1	CGMT-M63	CGN-M63	CGNL-M63	76	HSTL76-*
120	47.6	na	na	CGNL-M63	76	HSTL76-*
150	52.1	na	na	na	76	HSTL76-*
185	58.1	na	na	na	102	HSTL102-*
240	67.1	na	na	na	102	HSTL102-*
300	74.7	na	na	na	102	HSTL102-*

4 core + earth circular cable

XLPE/PVC

4 Core + Earth XLPE Insulated, PVC Sheathed

Cable dimensions vary from manufacturer to manufacturer. Nominal cable diameters provided here are to be used as a guide only. Measure twice, Order once!

Product Code (HSTL) for Heatshrink is for standard 1.2m lengths. Add colour letter req'd e.g. HSTL25-R. For reels the Product Code is HST followed by the colour letter (e.g. R - red).

Cable details		Cable glands			Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm	Metal glands	Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
16	19.9	CGMT-M32	CGN-M32	CGNL-M32	38	HSTL38-*
25	23.1	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38-*
35	25.8	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38-*
50	29.4	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50-*
70	34.6	CGMT-M63	CGN-M50	CGNL-M50	50	HSTL50-*
95	39.4	CGMT-M63	CGN-M63	CGNL-M50	76	HSTL76-*
120	45.3	na	na	CGNL-M63	76	HSTL76-*
150	49.7	na	na	na	76	HSTL76-*
185	56.0	na	na	na	102	HSTL102-*
240	63.8	na	na	na	102	HSTL102-*
300	71.4	na	na	na	102	HSTL102-*

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Selection Chart Nylon Glands & Heatshrink

A12-5

Multicore + earth circular cable

PVC/PVC

1.5mm² PVC Insulated, PVC Sheathed

WF Energy Controls offers its customers 2 types of nylon IP68 glands.

The standard glands have long length threads and are suitable where gland plates are used and extra thread length is required. These glands also have good cable range in each size thus reducing the number of sizes to be stocked.

The short thread length are a quality budget gland primarily for control panels and distribution boards where the gland is mounted directly through the panel. They are also useful where space is tight within the cabinet.

Cable details		Metal glands	Cable glands		Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm		Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
5 + E	13.0	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19 -*
6 + E	13.0	CGMT-M25	CGN-M22	CGNL-M20	19	HSTL19 -*
8 + E	15.3	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25 -*
10 + E	16.7	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25 -*
12 + E	16.8	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25 -*
15 + E	18.1	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25 -*
16 + E	19.0	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25 -*
20 + E	20.0	CGMT-M32	CGN-M36	CGNL-M32	38	HSTL38 -*
25 + E	22.1	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38 -*
30 + E	24.2	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38 -*
36 + E	25.1	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38 -*
40 + E	27.4	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50 -*
50 + E	29.3	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50 -*

2.5mm² PVC Insulated, PVC Sheathed

Cable dimensions vary from manufacturer to manufacturer. Nominal cable diameters provided here are to be used as a guide only. Measure twice, Order once!

Product Code (HSTL) for Heatshrink is for standard 1.2m lengths. Add colour letter req'd e.g. HSTL25-R. For reels the Product Code is HST followed by the colour letter (e.g. R - red)

Cable details		Metal glands	Cable glands		Heatshrink	
Nominal conductor area mm ²	Nominal diameter mm		Nylon glands (short thread)	Nylon glands (standard)	Expanded diameter	Product code
5 + E	14.6	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25 -*
6 + E	14.6	CGMT-M25	CGN-M25	CGNL-M25	25	HSTL25 -*
8 + E	17.3	CGMT-M32	CGN-M32	CGNL-M25	25	HSTL25 -*
10 + E	18.9	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25 -*
12 + E	19.0	CGMT-M32	CGN-M32	CGNL-M32	25	HSTL25 -*
15 + E	20.6	CGMT-M32	CGN-M36	CGNL-M32	38	HSTL38 -*
16 + E	21.6	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38 -*
20 + E	22.8	CGMT-M40	CGN-M36	CGNL-M32	38	HSTL38 -*
25 + E	25.2	CGMT-M40	CGN-M40	CGNL-M40	38	HSTL38 -*
30 + E	27.6	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50 -*
36 + E	28.9	CGMT-M50	CGN-M40	CGNL-M40	50	HSTL50 -*
40 + E	31.6	CGMT-M50	CGN-M40	CGNL-M50	50	HSTL50 -*
50 + E	33.8	CGMT-M50	CGN-M50	CGNL-M50	50	HSTL50 -*

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A12-6

Selection Chart Heatshrink for Busbar

Busbar thickness	Busbar width								
	12mm (1/2 inch)	19mm (3/4 inch)	25mm (1 inch)	38mm (1 1/2 inch)	51mm (2 inch)	76mm (3 inch)	102mm (4 inch)	125mm (5 inch)	152mm (6 inch)
3.2mm	HST13	HST19	HST25	HST38	HST50	HST76	HST102	HST102	HST125
4.8mm	HST13	HST19	HST25	HST38	HST50	HST76	HST102	HST102	HST125
6.4mm		HST19	HST25	HST38	HST50	HST76	HST102	HST102	HST125
9.5mm				HST38	HST50	HST76	HST102	HST102	HST125
12.7mm					HST50	HST76	HST102	HST102	HST125

Heatshrink ID to Lay Flat

	Cable size	Heatshrink mm	Lay flat mm
Cable	1.5	1.6	na
	2	2.4	na
	3	3.2	na
	5	4.8	8
	6	6.4	10
	10	9.5	16
Cable and busbar	13	12.7	20
	19	19.1	30
	25	25.4	40
	40	38	60
	50	50.8	80
	76	76	119
	102	102	159
	125	125	196

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