

Wattmaster

THE BRAND ELECTRICIANS RELY ON

BOOK

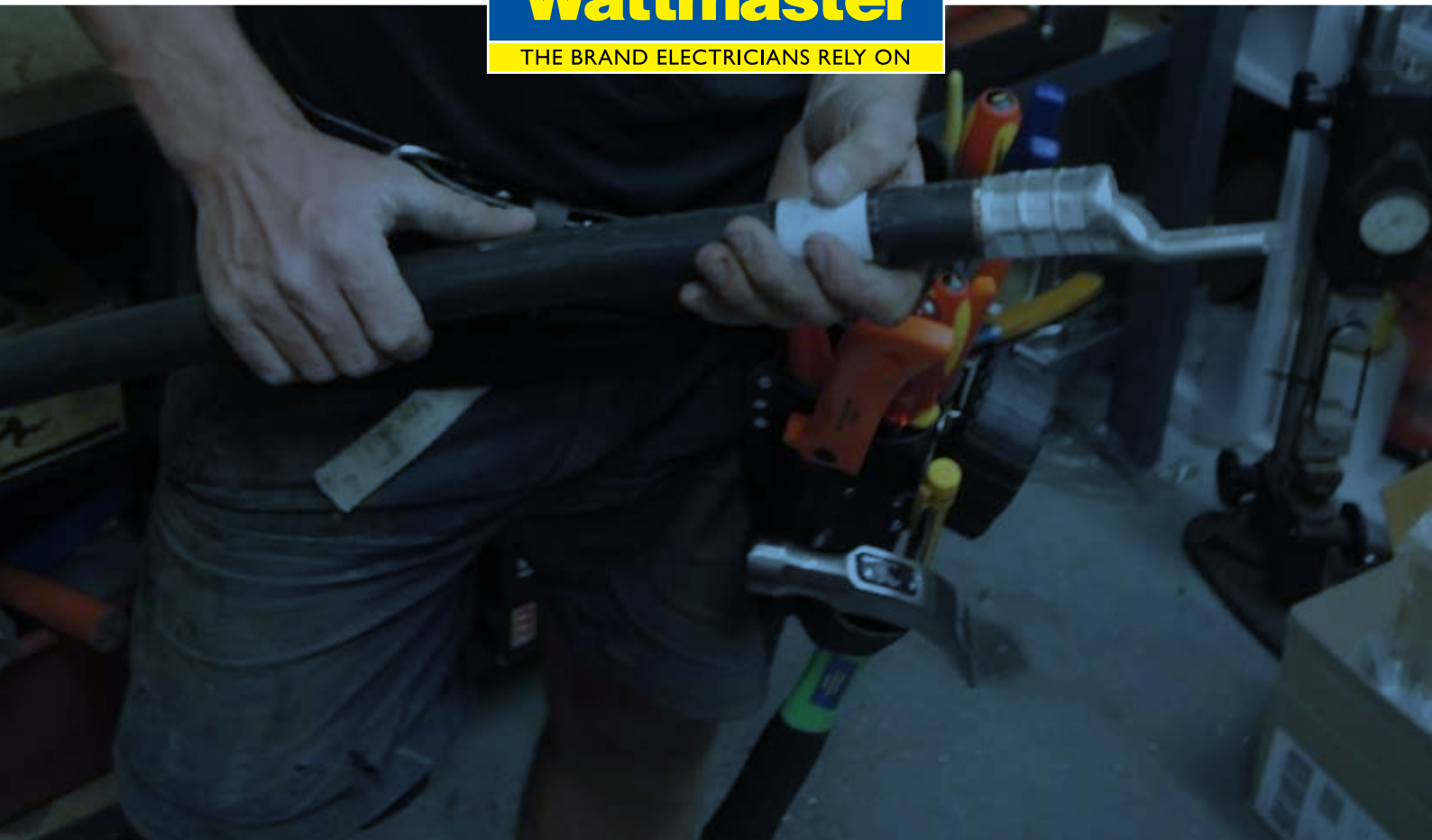
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CABLE RELATED PRODUCTS



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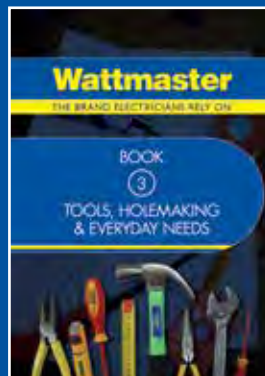
THE BRAND ELECTRICIANS RELY ON



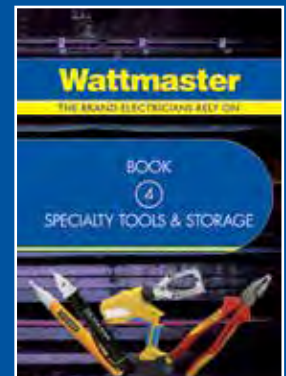
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Book 1: Alco Cable Glands, Industrial Conduit and Junction Boxes



Book 3: Tools, Holmaking & Everyday needs



Book 4: Specialty Tools & Storage

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ARE YOUR LUGS AND LINKS CERTIFIED?

With over 20 years' experience, Alco has developed an extensive range of lugs that conform to the unique Australian standards. Our in-house engineering capability's means we have extensive knowledge, not just of the products themselves but also of the application of the range. To complement our lugs and links range, we have a wide variety of tools to meet your crimping needs.

10-400mm²
Independently tested
and complies to
Australian Standard
AS4325.1 cl 7

General Lugs



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General Links



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**NEW
PRODUCT**

Bi-Metal Lugs



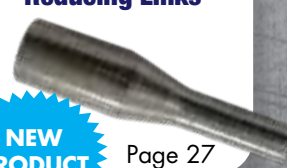
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Bell Mouth Lugs



Page 19

Reducing Links



**NEW
PRODUCT**

Page 27

Long Barrel Lugs



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NEED CRIMPING TOOLS?

Wattmaster has got you covered...



... see Book 3 for out hand crimpers, & Book 4 for our battery crimpers.

SECTION

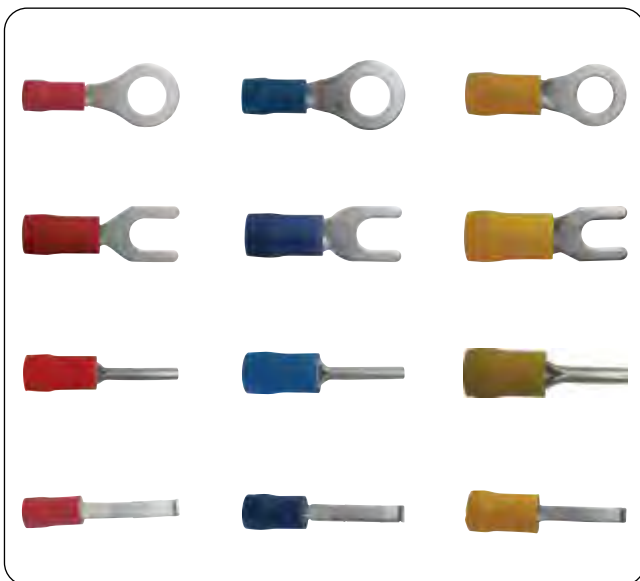
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TERMINALS, LUGS AND LINKS



1.1 PRE-INSULATED TERMINALS

1.1.1 PRE-INSULATED TERMINALS (600V) - ALCO



FEATURES:

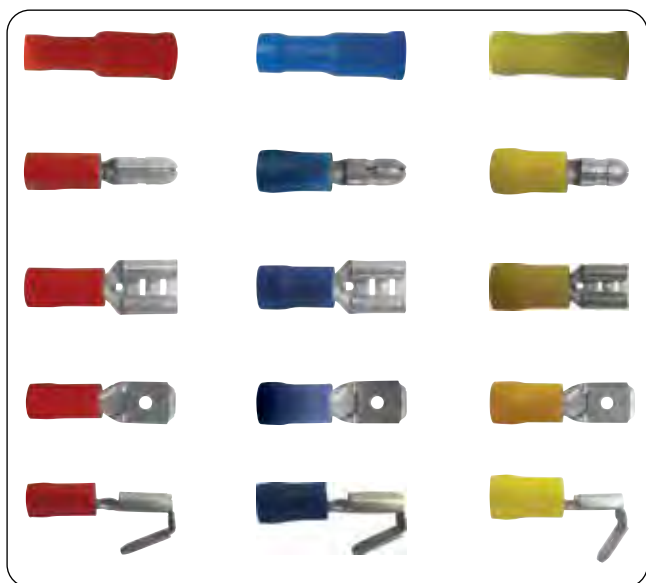
- Pre-insulated double crimp terminals
- Three piece construction
- Colour-coded PVC insulation for easy identification
- Easy entry
- 600V max
- Operating temperature: +105°C

SPECIFICATIONS:

RED										BLUE										YELLOW									
PART NUMBER	CONDUCTOR SIZE (0.5-1.5mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL						PART NUMBER	CONDUCTOR SIZE (1.5-2.5mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL						PART NUMBER	CONDUCTOR SIZE (4.0-6.0mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL					
				WATK07	WATMB100C	WATMB100CW	WATMB30V	WATCRS9	WATK07					WATMB100C	WATMB100CW	WATMB30V	WATCRS9	WATK07	WATMB100C					WATMB100CW	WATMB30V	WATCRS9			
RING TERMINALS										RING TERMINALS										RING TERMINALS									
ALCRR3.7/100		3.7	100	•	•	•	•	•	•	ALCRB3.7/100		3.7	100	•	•	•	•	•	•	ALCRY3.7/50		3.7	50	•	•	•	•	•	•
ALCRR4/100		4	100	•	•	•	•	•	•	ALCRB4/100		4	100	•	•	•	•	•	•	ALCRY4/50		4	50	•	•	•	•	•	•
ALCRR5/100		5	100	•	•	•	•	•	•	ALCRB5/100		5	100	•	•	•	•	•	•	ALCRY5/50		5	50	•	•	•	•	•	•
ALCRR6/100		6	100	•	•	•	•	•	•	ALCRB6/100		6	100	•	•	•	•	•	•	ALCRY6/50		6	50	•	•	•	•	•	•
ALCRR8/100		8	100	•	•	•	•	•	•	ALCRB8/100		8	100	•	•	•	•	•	•	ALCRY8/50		8	50	•	•	•	•	•	•
ALCRR10/100		10	100	•	•	•	•	•	•	ALCRB10/100		10	100	•	•	•	•	•	•	ALCRY10/50		10	50	•	•	•	•	•	•
																				ALCRY12/40									
FORK TERMINALS										FORK TERMINALS										FORK TERMINALS									
ALCFR3.7/100		3.7	100	•	•	•	•	•	•	ALCFB3.7/100		3.7	100	•	•	•	•	•	•	ALCFY3.7/50		3.7	50	•	•	•	•	•	•
ALCFR4/100		4	100	•	•	•	•	•	•	ALCFB4/100		4	100	•	•	•	•	•	•	ALCFY4/50		4	50	•	•	•	•	•	•
ALCFR5/100		5	100	•	•	•	•	•	•	ALCFB5/100		5	100	•	•	•	•	•	•	ALCFY5/50		5	50	•	•	•	•	•	•
ALCFR6/100		6	100	•	•	•	•	•	•	ALCFB6/100		6	100	•	•	•	•	•	•	ALCFY6/50		6	50	•	•	•	•	•	•
																				ALCFY8/50									
PIN TERMINALS										PIN TERMINALS										PIN TERMINALS									
ALCPINR/100		1.9	100	•	•	•	•	•	•	ALCPINB/100		1.9	100	•	•	•	•	•	•	ALCPINY/50		1.9	50	•	•	•	•	•	•
LIP BLADES										LIP BLADES										LIP BLADES									
ALCLTR/100		3.0	100	•	•	•	•	•	•	ALCLTB/100		3.0	100	•	•	•	•	•	•	ALCLTY/50		3.0	50	•	•	•	•	•	•

1.1 PRE-INSULATED TERMINALS

1.1.2 PRE-INSULATED DISCONNECTS TERMINALS (300V) - ALCO



FEATURES:

- Pre-insulated double crimp terminals
- Three piece construction
- Colour-coded PVC insulation for easy identification
- Easy entry
- 600V max (except the Quick disconnects and Tab disconnects which are 300V max)
- Operating temperature: +105°C

SPECIFICATIONS:

RED									
PART NUMBER	CONDUCTOR SIZE (0.5- 1.5mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL					
				WATK007	WATMB100C	WATMB30	WATMB100CW	WATMB30W	WATSR89
BULLET RECEPTACLES		BULLET DIA (mm)							
ALCBRR/100		4.0	100	•	•	•	•	•	•

BULLET TERMINALS		BULLET DIA (mm)							
ALCBTR/100		4.0	100	•	•	•	•	•	•

QUICK DISCONNECTS		WIDTH (mm)							
ALCFDR/100		6.35	100	•	•	•	•	•	•

FULLY INSULATED QUICK DISCONNECTS		WIDTH (mm)							
ALCFIQDR/50		6.35	50	•	•	•	•	•	•

TAB DISCONNECTS		TAB WIDTH (mm)							
ALCMDTABR/100		6.35	100	•	•	•	•	•	•

PIGGY BACK TERMINALS		WIDTH (mm)							
ALCPBR/50		6.35	50	•	•	•	•	•	•

FLAT BLADE TERMINALS		BLADE LENGTH (mm)							
ALCFBTR10/100		10	100	•	•	•	•	•	•
ALCFBTR18/100		18	100	•	•	•	•	•	•

BLUE									
PART NUMBER	CONDUCTOR SIZE (1.5- 2.5mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL					
				WATK007	WATMB100C	WATMB30C	WATMB100CW	WATMB30W	WATSR89
BULLET RECEPTACLES		BULLET DIA (mm)							
ALCBRB/100		4.0	100	•	•	•	•	•	•
ALCBRB5/100		5.0	100	•	•	•	•	•	•

BULLET TERMINALS		BULLET DIA (mm)							
ALCBTB/100		4.0	100	•	•	•	•	•	•
ALCBTB5/100		5.0	100	•	•	•	•	•	•

QUICK DISCONNECTS		WIDTH (mm)							
ALCFQDB/100		6.35	100	•	•	•	•	•	•

FULLY INSULATED QUICK DISCONNECTS		WIDTH (mm)							
ALCFIQDB/50		6.35	50	•	•	•	•	•	•

TAB DISCONNECTS		TAB WIDTH (mm)							
ALCMDTABB/100		6.35	100	•	•	•	•	•	•

PIGGY BACK TERMINALS		WIDTH (mm)							
ALCPBB/50		6.35	50	•	•	•	•	•	•

FLAT BLADE TERMINALS		BLADE LENGTH (mm)							
ALCFBTB10/100		10	100	•	•	•	•	•	•
ALCFBTB18/100		18	100	•	•	•	•	•	•

YELLOW									
PART NUMBER	CONDUCTOR SIZE (4.0- 6.0mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL					
				WATK007	WATMB100C	WATMB30CW	WATMB30	WATSR89	WATSR90
BULLET RECEPTACLES		BULLET DIA (mm)							
ALCBRY/50		5.0	50	•	•	•	•	•	•

BULLET TERMINALS		BULLET DIA (mm)							
ALCBTY/50		5.0	50	•	•	•	•	•	•

QUICK DISCONNECTS		WIDTH (mm)							
ALCFQDY/50		6.35	50	•	•	•	•	•	•

FULLY INSULATED QUICK DISCONNECTS		WIDTH (mm)							
ALCFIQDY/50		6.35	50	•	•	•	•	•	•

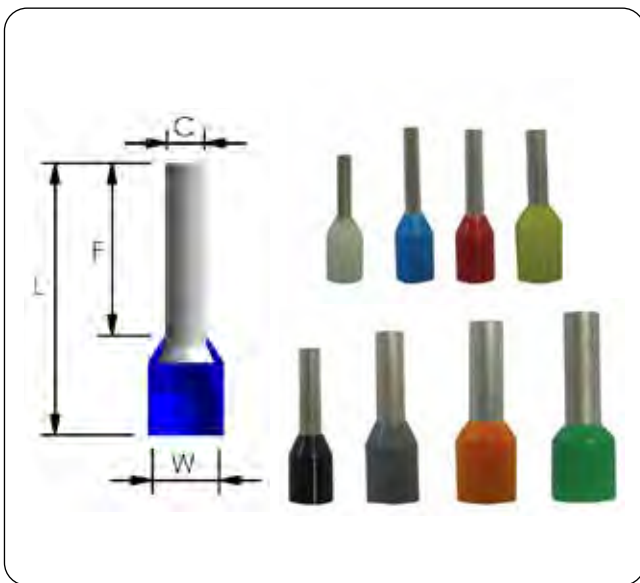
TAB DISCONNECTS		TAB WIDTH (mm)							
ALCMDTABY/50		6.35	50	•	•	•	•	•	•

PIGGY BACK TERMINALS		WIDTH (mm)							
ALCPBY/50		6.35	50	•	•	•	•	•	•

FLAT BLADE TERMINALS		BLADE LENGTH (mm)							
ALCFBTY10/50		10	50	•	•	•	•	•	•
ALCFBTY18/50		18	50	•	•	•	•	•	•

1.2 BOOTLACE TERMINALS

1.2.1 PRE-INSULATED BOOTLACE TERMINALS - ALCO



FEATURES:

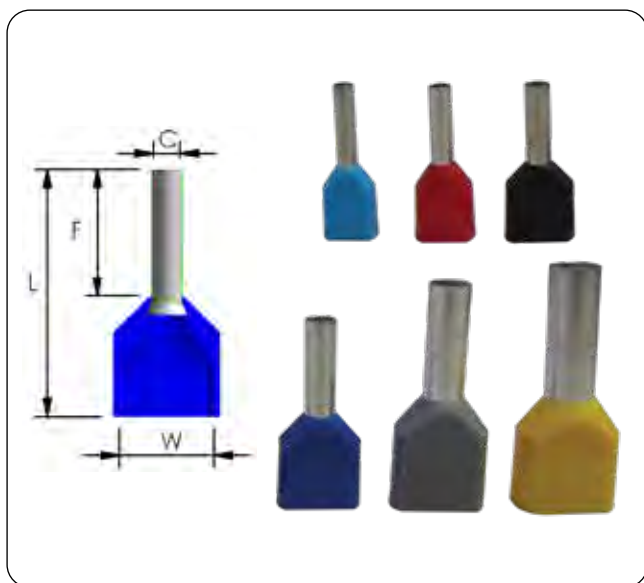
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded Polyamide insulation for easy identification
- Halogen free
- 600V max
- Operating Temperature: +105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (MM)				PACK QTY	COLOUR	SUITABLE CRIMPING TOOL								
		L	F	C	W			WATK007	WAT-BLC-DL10	WAT-BLC-DL16	WATKSBLC	WAT-BLC-TC6Q	WAT-BLC-TC8	WATKS-BLC-35	WATKS-BLC-95	WATKS-BLC-150
ALCBLV/100	0.25	10.0	6.0	0.75	1.9	100	Violet		•			•				
ALCBLP/100	0.34	10.0	6.0	0.8	1.9	100	Pink		•			•				
ALCBLW/100	0.5	12.0	8.0	1.3	3.3	100	White	•	•		•	•	•			
ALCBLB/100	0.75	14.8	8.0	1.5	3.5	100	Blue	•	•		•	•	•			
ALCBLR/100	1.0	12.6	8.0	1.7	3.7	100	Red	•	•		•	•	•			
ALCBLI/100	1.0	14.5	8.0	1.7	3.7	100	Yellow	•	•		•	•	•			
ALCBLBK/100	1.5	14.5	8.0	2.0	4.0	100	Black	•	•		•	•	•			
ALCBLGY/100	2.5	15.8	8.0	2.6	4.9	100	Grey	•	•		•	•	•			
ALCBLO/100	4.0	16.5	10.0	3.2	5.5	100	Orange	•	•	•	•		•			
ALCBLG/50	6.0	20.5	12.0	3.9	7.0	50	Green	•	•	•	•		•			
ALCBLG-18/50	6.0	26.0	18.0	3.5	6.3	50	Green	•	•	•	•		•			
ALCBLBR/50	10.0	22.0	12.0	4.5	7.6	50	Brown	•		•	•		•	•		
ALCBLBR-18/50	10.0	28.0	18.0	4.5	7.6	50	Brown	•	•	•	•		•	•		
ALCBLI/50	16.0	24.0	12.0	5.8	8.8	50	Ivory			•	•		•	•		
ALCBLI-18/40	16.0	28.0	18.0	5.8	8.8	40	Ivory			•	•		•	•		
ALCBLBK25/25	25.0	30.0	16.0	8.3	12.7	25	Black							•		
ALCBLR35/20	35.0	30.0	16.0	8.3	12.7	20	Red							•		
ALCBLB50/10	50.0	36.0	20.0	10.3	15.0	10	Blue								•	
ALCBLI70/7	70.0	37.0	21.0	13.5	16.0	7	Yellow								•	
ALCBLR95/5	95.0	44.0	25.0	14.7	18.0	5	Red								•	
ALCBLB120/4	120.0	48.0	27.0	16.7	20.0	4	Blue									•
ALCBLI150/3	150.0	58.0	32.0	19.5	23.0	3	Yellow									•

1.2 BOOTLACE TERMINALS

1.2.2 PRE-INSULATED TWIN BOOTLACE TERMINALS - ALCO



FEATURES:

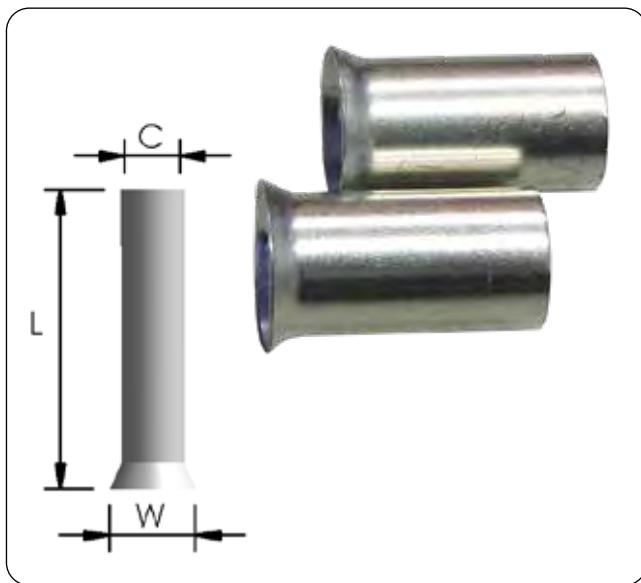
- Pre-insulated twin bootlace terminals
- Provide precise terminations to multi-stranded cable
- Used to terminate two wires in the one terminal
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded Polyamide insulation for easy identification
- 600V max
- Operating Temperature: +105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (MM)				PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
		L	F	C	W			WATKSBLC-T2X6
ALCBLTGY/100	2 x 0.75	15.0	8.0	1.8	5.0	100	Blue	
ALCBLTR/100	2 x 1.0	15.0	8.0	2.05	5.4	100	Red	
ALCBLTBK/100	2 x 1.5	16.0	8.0	2.3	6.6	100	Black	•
ALCBLTB/100	2 x 2.5	18.5	10.0	2.8	7.8	100	Blue	•
ALCBLTGY4/50	2 x 4.0	23.0	12.0	3.7	8.8	50	Grey	•
ALCBLTY/50	2 x 6.0	26.0	14.0	4.8	10.0	50	Yellow	•

1.2 BOOTLACE TERMINALS

1.2.3 NON-INSULATED BOOTLACE TERMINALS - ALCO



FEATURES:

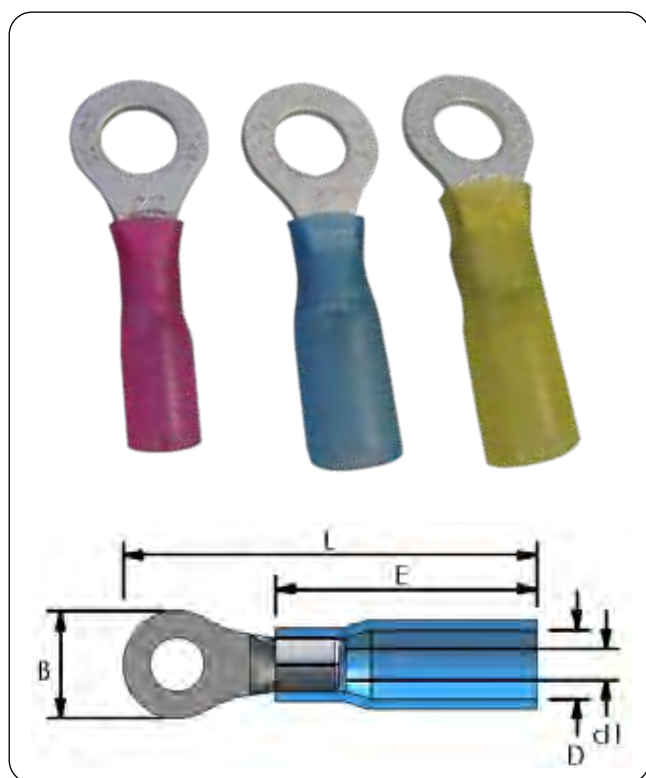
- Non-insulated electro grade copper bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduce the possibility of short-circuiting and ensure no strands stray
- Electro tinned finish for high conductivity
- Operating Temperature: +200°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (MM)			PACK QTY	SUITABLE CRIMPING TOOL								
		L	C	W		WATK007	WAT60000	WAT-BLC-DL10	WAT-BLC-DL16	WATKSBLC	WAT-BLC-TC6	WAT-BLC-TC8	WATKS-BLC-35	WATKS-BLC-95
ALCBLU0.5/100	0.5	8.0	1.0	2.1	100	•	•	•	•	•	•	•		
ALCBLU0.75/100	0.75	8.0	1.2	2.3	100	•	•	•	•	•	•	•		
ALCBLU1.0/100	1.0	10.0	1.4	2.5	100	•	•	•	•	•	•	•		
ALCBLU1.5/100	1.5	10.0	1.7	2.8	100	•	•	•	•	•	•	•		
ALCBLU2.5/100	2.5	10.0	2.2	3.4	100	•	•	•	•	•	•	•		
ALCBLU4/100	4.0	12.0	2.8	4.0	100		•	•	•			•		
ALCBLU6/100	6.0	12.0	3.5	4.7	100		•	•	•			•		
ALCBLU10/100	10.0	12.0	4.5	5.8	100			•		•		•	•	
ALCBLU16/100	16.0	12.0	5.8	7.5	100				•	•		•	•	
ALCBLU25/50	25.0	18.0	7.3	9.5	50								•	
ALCBLU35/50	35.0	18.0	8.3	11.0	50								•	
ALCBLU50/10	50.0	20.0	10.3	13.0	10									•
ALCBLU70/10	70.0	25.0	13.5	15.3	10									•
ALCBLU95/5	95.0	32.0	14.7	16.6	5									•

1.3 HEATSHRINKABLE TERMINALS

1.3.1 INSULATED HEATSHRINKABLE RING TERMINALS - ALCO



FEATURES:

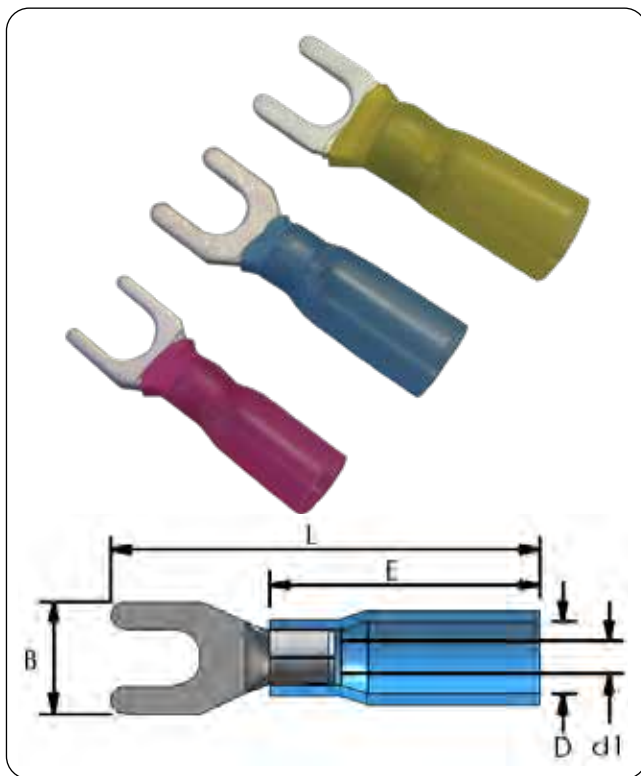
- Heatshrinkable ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max
- Shrink temperature: +150°C
- Operating temperature: -10°C to + 105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (MM)	DIMENSIONS (MM)					PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
			B	L	E	D	D1			WATMH3DHS
ALCHSRR3.7/100	0.5-1.5	3.7	8.0	26.0	18.5	4.5	1.7	100	Red	•
ALCHSRR4/100	0.5-1.5	4.0	8.0	26.0	18.5	4.5	1.7	100	Red	•
ALCHSRR5/100	0.5-1.5	5.0	8.0	26.0	18.5	4.5	1.7	100	Red	•
ALCHSRB3.7/50	1.5-2.5	3.7	8.5	28.5	20.5	5.5	2.3	50	Blue	•
ALCHSRB4.0/50	1.5-2.5	4.0	8.5	28.5	20.5	5.5	2.3	50	Blue	•
ALCHSRB5.0/50	1.5-2.5	5.0	9.5	28.5	20.5	5.5	2.3	50	Blue	•
ALCHSRY4.0/50	4.0-6.0	4.0	9.5	33.0	23.5	6.5	3.4	50	Yellow	•
ALCHSRY5.0/50	4.0-6.0	5.0	9.5	33.0	23.5	6.5	3.4	50	Yellow	•
ALCHSRY6.0/50	4.0-6.0	6.0	12.0	36.5	23.5	6.5	3.4	50	Yellow	•
ALCHSRY13.0/25	4.0-6.0	13.0	19.2	45.5	23.5	6.5	3.4	25	Yellow	•

1.3 HEATSHRINKABLE TERMINALS

1.3.2 INSULATED HEATSHRINKABLE FORK TERMINALS - ALCO



FEATURES:

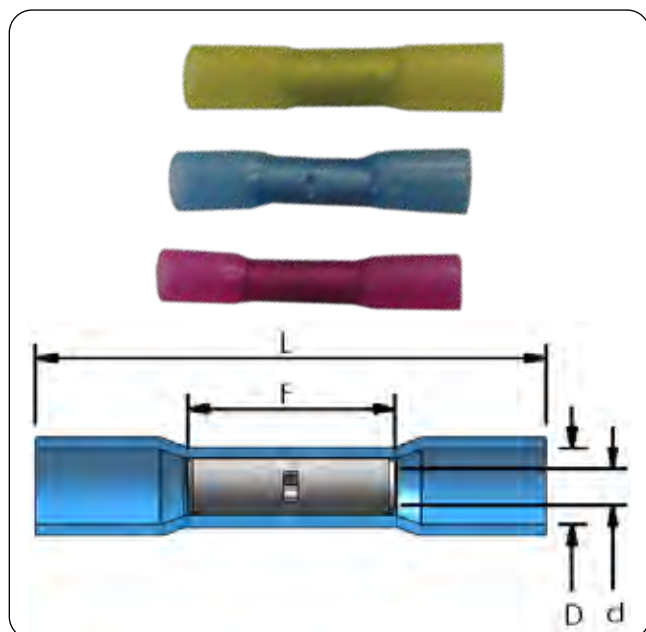
- Heatshrinkable fork terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max
- Shrink temperature: +150°C
- Operating temperature: -10°C to + 105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (MM)	DIMENSIONS (MM)					PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
			B	L	E	D	D1			WATMH3DHS
ALCHSFR3.7/100	0.5-1.5	3.7	6.4	25.5	18.5	4.5	1.7	100	Red	•
ALCHSFR4/100	0.5-1.5	4.0	7.2	26.0	18.5	4.5	1.7	100	Red	•
ALCHSFR5/100	0.5-1.5	5.0	8.0	26.0	18.5	4.5	1.7	100	Red	•
ALCHSFB3.7/50	1.5-2.5	3.7	6.4	26.5	20.5	5.5	2.3	50	Blue	•
ALCHSFB4.0/50	1.5-2.5	4.0	7.2	26.5	20.5	5.5	2.3	50	Blue	•
ALCHSFB5.0/50	1.5-2.5	5.0	9.5	28.5	20.5	5.5	2.3	50	Blue	•
ALCHSFY4.0/30	4.0-6.0	4.0	9.5	32.5	23.5	6.5	3.4	30	Yellow	•
ALCHSFY5.0/30	4.0-6.0	5.0	9.5	32.5	23.5	6.5	3.4	30	Yellow	•
ALCHSFY6.0/30	4.0-6.0	6.0	12.0	39.0	23.5	6.5	3.4	30	Yellow	•

1.3 HEATSHRINKABLE TERMINALS

1.3.3 INSULATED HEATSHRINKABLE SPLICE TERMINALS - ALCO



FEATURES:

- Heatshrinkable splice terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max
- Shrink temperature: +150°C
- Operating temperature: -10°C to + 105°C

SPECIFICATIONS:

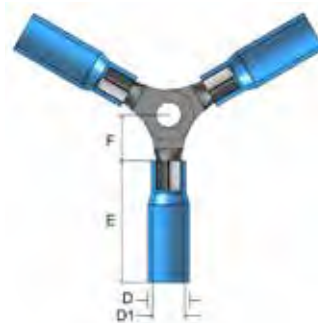
PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (MM)				PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
		F	L	D	d			WATMH3DHS
ALCHSSPLR/50	0.5-1.5	15.0	37.0	4.5	1.6	50	Red	•
ALCHSSPLB/50	1.5-2.5	15.0	37.0	5.5	2.3	50	Blue	•
ALCHSSPLY/25	4.0-6.0	15.0	41.0	6.5	3.6	25	Yellow	•

1.3.4 INSULATED HEATSHRINKABLE 3-WAY RING TERMINALS - ALCO



FEATURES:

- Heatshrinkable 3-way ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max
- Shrink temperature: +150°C
- Operating temperature: -10°C to + 105°C



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (MM)	DIMENSIONS (MM)				PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
			F	E	D	D1			WATMH3DHS
ALCHS3WTR/15	0.5-1.5	4.0	8.0	18.5	4.5	1.7	15	Red	•
ALCHS3WTB/15	1.5-2.5	4.0	9.0	20.5	5.5	2.3	15	Blue	•
ALCHS3WTY/10	4.0-6.0	4.0	10.5	23.5	6.5	3.4	10	Yellow	•

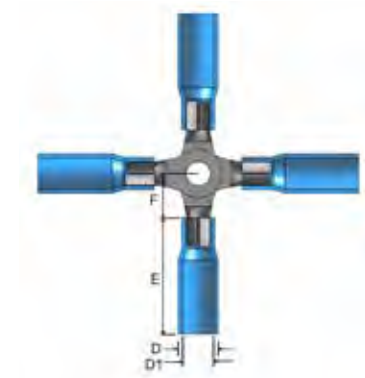
1.3 HEATSHRINKABLE TERMINALS

1.3.5 INSULATED HEATSHRINKABLE 4-WAY RING TERMINALS - ALCO



FEATURES:

- Heatshrinkable 4-way ring terminals provide water resistant connections
- Single crimp insulation seal
- Electro tin plated
- 600V max
- Shrink temperature: +150°C
- Operating temperature: -10°C to +105°C



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (MM)	DIMENSIONS (MM)				PACK QTY	COLOUR	SUITABLE CRIMPING TOOL
			F	E	D	D1			WATMH3DHS
ALCHS4WTR/15	0.5-1.5	4.0	8.0	18.5	4.5	1.7	15	Red	•
ALCHS4WTB/10	1.5-2.5	4.0	9.0	20.5	5.5	2.3	10	Blue	•
ALCHS4WTY/5	4.0-6.0	4.0	10.5	23.5	6.5	3.4	5	Yellow	•

1.4 SPLICE TERMINALS

1.4.1 PVC INSULATED SPLICE TERMINALS - ALCO



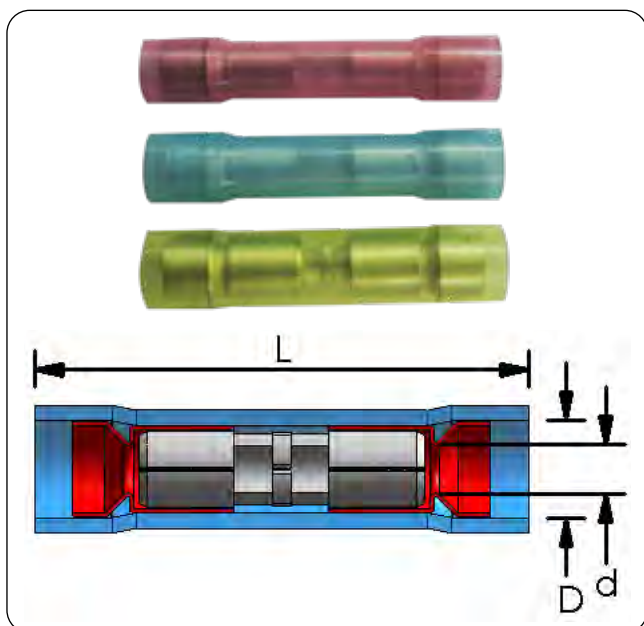
FEATURES:

- Pre-insulated double crimp terminals
- Three piece construction
- Colour-coded PVC insulation for easy identification
- Easy entry
- 600V max
- Operating temperature: +105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	PACK QTY	SUITABLE CRIMPING TOOL				
			WATK007	WATMEB100C	WATMEB100CW	WATMH3DW	WATSTCRS9
ALCSPLR/100	0.5-1.5mm ²	100	•	•	•	•	•
ALCSPLB/50	1.5-2.5mm ²	50	•	•	•	•	•
ALCSPLY/50	4.0-6.0mm ²	50	•	•	•	•	•

1.4.2 PVC INSULATED WINDOW SPLICE TERMINALS - ALCO



FEATURES:

- Translucent window splices allow you to see the crimp
- Double crimp
- Electro tin plated
- 600V max
- Operating temperature: +105°C

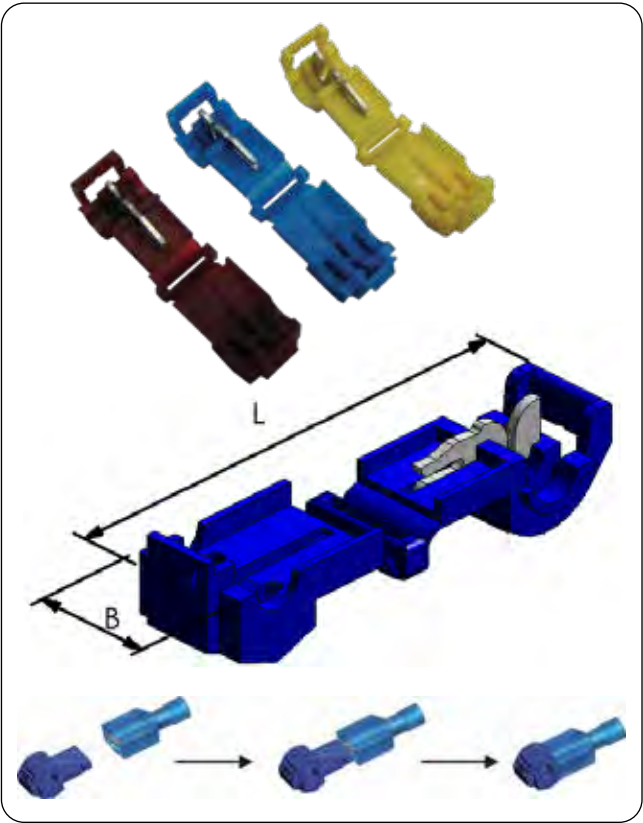
SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (MM)			PACK QTY	COLOUR	SUITABLE CRIMPING TOOL				
		L	D	d			WATK007	WATMEB100C	WATMEB100CW	WATMH3DW	WATSTCRS9
ALCWSPLR/50	0.5-1.5	26.0	4.5	1.7	50	Red	•	•	•	•	•
ALCWSPLB/50	1.5-2.5	26.0	5.0	2.3	50	Blue	•	•	•	•	•
ALCWSPLY/30	4.0-6.0	30.0	6.8	3.4	30	Yellow	•	•	•	•	•

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1.5 SPECIALTY TERMINALS

1.5.1 T-TAP TERMINALS - ALCO



FEATURES:

- Electro tin plated
- 600V max
- Operating temperature: +105°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm²)	TYPE	DIMENSIONS (MM)		PACK QTY	COLOUR
			B	L		
ALCTTAPR/25	0.5-1.0	Male	9.5	38	25	Red
ALCTTAPB/25	1.0-2.5	Male	9.5	38	25	Blue
ALCTTAPY/25	4.0-6.0	Male	9.5	38	25	Yellow
ALCTTAPMR/50	0.5-1.0	Female			50	Red
ALCTTAPMB/50	1.0-2.5	Female			50	Blue
ALCTTAPMY/25	4.0-6.0	Female			25	Yellow

1.5.2 SPLICE CONNECTORS - TELECOM - ALCO



FEATURES:

- Make a clean, solid and rapid connection of your wires to keep telecommunication lines free of noise
- Handles a wide range of conductor sizes and allows you to handle higher pair wires
- RoHS compliant

SPECIFICATIONS:

PART NUMBER	MAX INSULATION OD (mm)	CABLE SIZE	COLOUR	MATERIAL	INSULATION	QTY
ALCSC-R	1.67	A two or three-wire connection for Y-type divergence wire of solid copper 0.4-0.9mm (26-19 AWG) wire core or 0.4-0.65 (26-22 AWG)	Red	Solid copper	PC	50
ALCSC-B	1.27	A tap connector for T-type divergence wire of solid copper 0.4-0.65mm (26-22 AWG) wire core or 0.4-0.5mm (26-24 AWG) filled core cable	Blue	Solid copper	PC	100
ALCSC-Y	1.52	A two wire connector for solid copper 0.4-0.65mm (26-22 AWG) cable	Yellow	Solid copper	PC	100

1.6 NON-INSULATED & BRASS TERMINALS

1.6.1 NON-INSULATED RING & FORK TERMINALS - ALCO



FEATURES:

- Non-insulated copper terminals suitable for stranded to fine-stranded cable
- Electro tinned finish for high conductivity
- Easy to connect

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (0.5-1.5mm²)	STUD SIZE (MM)	PACK QTY	SUITABLE CRIMPING TOOL			PART NUMBER	CONDUCTOR SIZE (1.5-2.5mm²)	STUD SIZE (MM)	PACK QTY	PART NUMBER			PART NUMBER	CONDUCTOR SIZE (4.0-6.0mm²)	STUD SIZE (mm)	PACK QTY	SUITABLE CRIMPING TOOL		
				WATK07	WATHAW	WATH14					WATK07	WATHAW	WATH14					WATK07	WATHAW	WATH14
RING TERMINALS							RING TERMINALS							RING TERMINALS						
ALCRRU3.7/100		3.7	100	•	•	•	ALCRBU3.7/100		3.7	100	•	•	•	ALCRYU4/100		4.0	100	•	•	•
ALCRRU4/100		4.0	100	•	•	•	ALCRBU4/100		4.0	100	•	•	•	ALCRYU5/100		5.0	100	•	•	•
ALCRRU5/100		5.0	100	•	•	•	ALCRBU5/100		5.0	100	•	•	•	ALCRYU6/100		6.0	100	•	•	•
ALCRRU6/100		6.0	100	•	•	•	ALCRBU6/100		6.0	100	•	•	•	ALCRYU8/100		8.0	100	•	•	•
ALCRRU8/100		8.0	100	•	•	•	ALCRBU8/100		8.0	100	•	•	•	ALCRYU10/50		10.0	50	•	•	•
ALCRRU10/100		10.0	100	•	•	•	ALCRBU10/100		10.0	100	•	•	•	ALCRYU12/50		12.0	50	•		
FORK TERMINALS							FORK TERMINALS							FORK TERMINALS						
ALCFRU3.7/100		3.7	100	•	•	•	ALCFBU3.7/100		3.7	100	•	•	•							
ALCFRU4/100		4.0	100	•	•	•	ALCFBU4/100		4.0	100	•	•	•	ALCFYU4/100		4.0	100	•	•	•
ALCFRU5/100		5.0	100	•	•	•	ALCFBU5/100		5.0	100	•	•	•	ALCFYU5/100		5.0	100	•	•	•
ALCFRU6/100		6.0	100	•	•	•	ALCFBU6/100		6.0	100	•	•	•	ALCFYU6/100		6.0	100	•	•	•

1.6 NON-INSULATED & BRASS TERMINALS

1.6.2 OPEN BARREL BRASS TERMINALS - ALCO



FEATURES:

- Non-insulated copper terminals suitable for stranded to fine-stranded cable
- Electro tinned finish for high conductivity
- Easy to connect

SPECIFICATIONS:

PART NUMBER	TYPE	PLUG DIMENSIONS	NOMINAL CROSS SECTION	SUITABLE CRIMPING TOOL	TERMINAL IMAGE	PACK QTY
				WATMH4NOB		
ALCFQDU2/100	Quick Disconnect	2.8 x 0.5mm	0.5 - 1.5mm ²	•		100
ALCFQDU4/100	Quick Disconnect	4.8 x 0.8mm	1.5 - 2.5mm ²	•		100
ALCFQDU6/100	Quick Disconnect	6.4 x 0.8 mm	0.5 - 1.5mm ²	•		100
ALCMDTABU1/100	Tab Terminal	6.4 x 0.8 mm	1.5 - 2.5mm ²	•		100
ALCMDTABU2/100	Tab Terminal	6.4 x 0.8 mm	1.5 - 2.5mm ²	•		100
ALCPBU/100	Piggy Back	6.4 x 0.8 mm	1.5 - 2.5mm ²	•		100

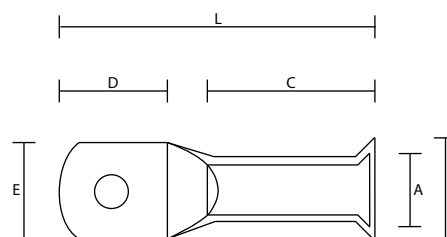
1.7 NON-INSULATED LUGS

1.7.1 NON-INSULATED BELL MOUTH COPPER LUGS - ALCO



FEATURES:

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for high conductivity
- Includes inspection hole
- Conform to IS 191 (part V GR.ETP) specifications
- Operating temperature: -55°C to $+155^{\circ}\text{C}$

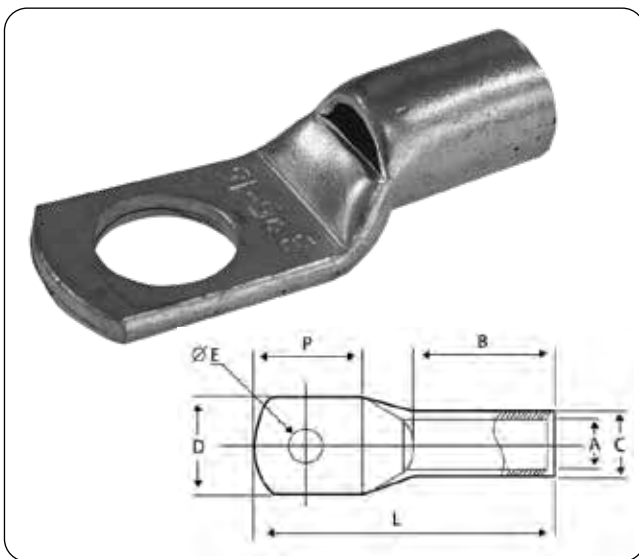


SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (MM)	DIMENSIONS (MM)						PACK QTY	RECOMMENDED HEAT SHRINK		
			A	B	E	D	C	L		THIN WALL	MED WALL	THICK WALL
ALCLBM10M6/25	10	6	4.5	6.9	12	14	11	28	25	10.5	10	13
ALCLBM10M8/25	10	8	4.5	6.9	12	16	11	30	25	10.5	10	13
ALCLBM10M10/25	10	10	4.5	6.9	17	20	11	35	25	13.5	16	13
ALCLBM16M6/25	16	6	5.9	8	12	15	20	39	25	13.5	16	13
ALCLBM16M8/25	16	8	5.9	8	12	15	20	39	25	13.5	16	13
ALCLBM16M10/25	16	10	5.9	8	17	26	20	50	25	13.5	16	13
ALCLBM25M6/25	25	6	7	9.7	14	16	23	42	25	13.5	16	13
ALCLBM25M8/25	25	8	7	9.7	14	16	23	42	25	13.5	16	13
ALCLBM25M10/25	25	10	7	9.7	19	23	23	50	25	13.5	16	20
ALCLBM25M12/25	25	12	7	9.7	19	16	23	42	25	13.5	16	20
ALCLBM35M6/25	35	8	8.4	11.5	16	19	23	46	25	19	16	20
ALCLBM35M10/25	35	10	8.4	11.5	16	19	23	46	25	19	16	20
ALCLBM35M12/25	35	12	8.4	11.5	19	27	23	53	25	19	25	20
ALCLBM50M8/10	50	8	9.5	12.7	18	20	23	49	10	19	25	20
ALCLBM50M10/10	50	10	9.5	12.7	18	20	23	49	10	19	25	20
ALCLBM50M12/10	50	12	9.5	12.7	18	20	23	49	10	19	25	20
ALCLBM70M8/10	70	8	11.1	14.3	20	23	24	54	10	19	25	20
ALCLBM70M10/10	70	10	11.1	14.3	20	23	24	54	10	19	25	20
ALCLBM70M12/10	70	12	11.1	14.3	20	23	24	54	10	19	25	20
ALCLBM95M8/10	95	8	13.5	17.5	25	27	25	60	10	24	25	28
ALCLBM95M10/10	95	10	13.5	17.5	25	27	25	60	10	24	25	28
ALCLBM95M12/10	95	12	13.5	17.5	25	27	25	60	10	24	25	28
ALCLBM120M10/10	120	10	15.5	20.6	29	29	32	70	10	24	25	28
ALCLBM120M12/10	120	12	15.5	20.6	29	29	32	70	10	24	25	28
ALCLBM150M10/10	150	10	16.3	22.2	31	34	32	78	10	24	25	28
ALCLBM150M12/10	150	12	16.3	22.2	31	34	32	78	10	24	25	28
ALCLBM185M12/6	185	12	18.3	24.3	34	35	32	82	6	41.5	35	28
ALCLBM240M8/6	240	-	21.2	28.6	40	41	42	99	6	41.5	35	38
ALCLBM240M12/6	240	12	21.2	28.6	40	41	42	99	6	41.5	35	38
ALCLBM300M8/3	300	-	23.8	31.9	45	45	47	107	3	41.5	35	38

1.7 NON-INSULATED LUGS

1.7.2 NON-INSULATED COPPER LUGS 1.5MM TO 35MM - ALCO



FEATURES:

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- Includes inspection port
- Conform to Australian Standards
- Independently tested and complies to Australian Standard AS4325.1 cl7 (10-400mm²)
- Operating temperature: -55°C to +155°C

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	DIMENSIONS (MM)						RECOMMENDED HEATSHRINK			BOX QTY
			A	C	D	P	B	L	THIN WALL	MEDIUM WALL	THICK WALL	
ALCL1.5M4/100	1.5	4.0	1.8	3.7	8.0	9.0	7.0	18	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL1.5M5/100	1.5	5.0	1.8	3.7	9.0	10	7.0	19	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL1.5M6/100	1.5	6.0	1.8	3.7	9.0	11	7.0	20	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL2.5M4/100	2.5	4.0	2.4	4.0	8.0	9.0	7.0	18	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL2.5M5/100	2.5	5.0	2.4	4.0	8.0	10	7.0	18	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL2.5M6/100	2.5	6.0	2.4	4.0	10	12	7.0	20	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL2.5M8/100	2.5	8.0	2.4	4.0	11	16	9.0	26	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL4M5/100	4.0	5.0	3.1	4.8	11	12	9.0	22	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL4M6/100	4.0	6.0	3.1	4.8	11	12	9.0	22	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL4M8/100	4.0	8.0	3.1	4.8	11	16	11	29	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	100
ALCL6M5/50	6.0	5.0	3.8	5.5	10	11	12	26	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	50
ALCL6M6/50	6.0	6.0	3.8	5.5	10	11	12	26	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	50
ALCL6M8/50	6.0	8.0	3.8	5.5	12	16	12	31	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	50
ALCL6M10/50	6.0	10.0	3.8	5.5	17	23	12	39	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	50
ALCL10M5/25	10	5.0	4.5	6.9	12	14	11	28	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	25
ALCL10M6/25	10	6.0	4.5	6.9	12	14	11	28	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	25
ALCL10M8/25	10	8.0	4.5	6.9	12	16	11	30	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	25
ALCL10M10/25	10	10.0	4.5	6.9	17	20	11	35	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL10M12/25	10	12.0	4.5	6.9	17	20	11	35	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL16M6/25	16	6.0	5.9	8.0	12	15	20	39	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCL16M8/25	16	8.0	5.9	8.0	12	15	20	39	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCL16M10/25	16	10.0	5.9	8.0	17	26	20	50	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL16M12/25	16	12.0	5.9	8.0	17	26	20	50	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL25M6/25	25	6.0	7.0	9.7	14	16	23	42	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL25M8/25	25	8.0	7.0	9.7	14	16	23	42	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCL25M10/25	25	10.0	7.0	9.7	19	23	23	50	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCL25M12/25	25	12.0	7.0	9.7	19	16	23	42	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCL35M6/25	35	6.0	8.4	11.5	16	19	23	46	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCL35M8/25	35	8.0	8.4	11.5	16	19	23	46	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25

1.7 NON-INSULATED LUGS

1.7.3 NON-INSULATED COPPER LUGS 35MM TO 630.0MM - ALCO

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	DIMENSIONS (MM)						RECOMMENDED HEATSHRINK			BOX QTY
			A	C	D	P	B	L	THIN WALL	MEDIUM WALL	THICK WALL	
ALCL35M10/25	35	10.0	8.4	11.5	16	19	23	46	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCL35M12/25	35	12.0	8.4	11.5	19	27	23	53	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCL50M6/10	50	6.0	9.5	12.7	18	20	23	49	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL50M8/10	50	8.0	9.5	12.7	18	20	23	49	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL50M10/10	50	10.0	9.5	12.7	18	20	23	49	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL50M12/10	50	12.0	9.5	12.7	18	20	23	49	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL70M6/10	70	6.0	11.1	14.3	20	23	24	54	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL70M8/10	70	8.0	11.1	14.3	20	23	24	54	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL70M10/10	70	10.0	11.1	14.3	20	23	24	54	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCL70M12/10	70	12.0	11.1	14.3	20	23	24	54	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6	10
ALCL70M16/10	70	16.0	11.1	14.3	20	23	24	54	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9	10
ALCL95M8/10	95	8.0	13.5	17.5	25	27	25	60	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9	10
ALCL95M10/10	95	10.0	13.5	17.5	25	27	25	60	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9	10
ALCL95M12/10	95	12.0	13.5	17.5	25	27	25	60	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9	10
ALCL95M16/10	95	16.0	13.5	17.5	25	33	25	65	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9	10
ALCL120M8/10	120	8.0	15.5	20.6	29	29	32	70	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL120M10/10	120	10.0	15.5	20.6	29	29	32	70	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL120M12/10	120	12.0	15.5	20.6	29	29	32	70	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL120M16/10	120	16.0	15.5	20.6	29	32	32	75	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL120M20/10	120	20.0	15.5	20.6	34	40	32	79	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL120MB/10	120	-	15.5	20.6	29	32	32	70	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9	10
ALCL150M8/10	150	8.0	16.3	22.2	31	34	32	78	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	10
ALCL150M10/10	150	10.0	16.3	22.2	31	34	32	78	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	10
ALCL150M12/10	150	12.0	16.3	22.2	31	34	32	78	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	10
ALCL150M16/10	150	16.0	16.3	22.2	31	34	32	78	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	10
ALCL150MB/10	150	-	16.3	22.2	31	34	32	78	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	10
ALCL185M10/6	185	10.0	18.3	24.3	34	35	32	82	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	6
ALCL185M12/6	185	12.0	18.3	24.3	34	35	32	82	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	6
ALCL185M16/6	185	16.0	18.3	24.3	34	35	32	82	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12	6
ALCL240M10/6	240	10.0	21.2	28.6	40	41	42	99	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12	6
ALCL240M12/6	240	12.0	21.2	28.6	40	41	42	99	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12	6
ALCL240M16/6	240	16.0	21.2	28.6	40	41	42	99	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12	6
ALCL240M20/6	240	20.0	21.2	28.6	40	41	42	99	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCL240MB/6	240	-	21.2	28.6	40	41	42	99	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCL300M10/3	300	10.0	23.8	31.9	45	45	47	107	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	3
ALCL300M12/3	300	12.0	23.8	31.9	45	45	47	107	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	3
ALCL300M16/3	300	16.0	23.8	31.9	45	45	47	107	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	3
ALCL300MB/3	300	-	23.8	31.9	45	45	47	107	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	3
ALCL400M12/3	400	12.0	26.8	34.8	49	51	48	116	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16	3
ALCL400MB/3	400	-	26.8	34.8	49	51	48	116	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16	3
ALCL500M12/3	500	12.0	30	38	55	60	50	130	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22	3
ALCL500MB/3	500	-	30	38	55	60	50	130	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22	3
ALCL630M12/3	630	12.0	33.5	45	64	65	57	146	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22	3
ALCL630M16/3	630	16.0	33.5	45	64	65	57	146	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22	3
ALCL630MB/3	630	-	33.5	45	64	65	57	146	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22	3

1.7 NON-INSULATED LUGS

1.7.4 NON-INSULATED BI-METAL LUGS - ALCO

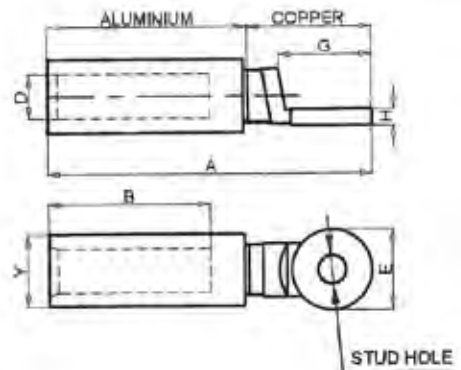


Termination of aluminium and aluminium alloy conductors to copper busbars and terminals

FEATURES:

- Friction welded aluminium/copper crimp lugs
- Suitable for use with standard 6 ton and 12 ton Australian hex crimp dies
- Printed with crimp indicator marks
- Pre-drilled copper palms
- Pre-greased aluminium barrels to reduce corrosion
- Hi purity aluminium 99.6%
- ETP Copper 99.9%
- All sizes can be sold individually

STANDARDS: AS4325.1



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm²)	STUD HOLE SIZE (mm)	DIMENSIONS (mm)							PACK QTY	RECOMMENDED HEAT SHRINK		
			TOTAL LENGTH	INSIDE BARREL LENGTH	BARREL ID	BARREL OD	PALM WIDTH	TONGUE LENGTH	PALM THICKNESS		THIN WALL	MED WALL	THICK WALL
			A	B	D	Y	E	G	H				
ALCLCA16M10	16mm²	10.5	75	32	5.5	12	20	24	4.5	25	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4
ALCLCA25M10	25mm²	10.5	75	32	7.5	12	20	24	4.5	25	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLCA35M12	35mm²	12.5	75	32	8.5	12	20	24	4.5	25	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLCA50M12	50mm²	12.5	75	32	9.5	16	24	26	4.5	10	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLCA70M12	70mm²	12.5	75	32	11.5	16	24	26	4.5	10	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLCA95M12	95mm²	12.5	115	60	13.5	21.5	24	26	6	10	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLCA120M12	120mm²	12.5	115	60	15.5	21.5	30	33	6	10	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLCA150M12	150mm²	12.5	120	60	16.5	27	30	33	7	10	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLCA185M12	180mm²	12.5	120	60	18.5	27	35	38	7	6	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLCA240M12	240mm²	12.5	135	60	22	35	35	38	7	6	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12
ALCLCA300M12	300mm²	12.5	135	60	23.5	35	36	38	7	6	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16

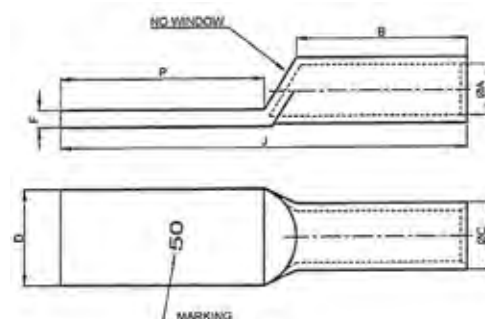
1.7 NON-INSULATED LUGS

1.7.5 NON-INSULATED LONG PALM, LONG BARREL LUGS - ALCO



FEATURES:

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Made with a long barrel and a long palm
- No hole
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- Operating temperature: -55°C to $+155^{\circ}\text{C}$
- All sizes can be sold individually



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (mm)							RECOMMENDED HEAT SHRINK		
		BARREL ID	BARREL OD	PALM WIDTH	PALM THICKNESS	BARREL LENGTH	TONGUE LENGTH	TOTAL LENGTH	THIN WALL	MED WALL	THICK WALL
		A	C	D	F	B	P	J			
ALCLLPB16	16	5.5	7.9	16	2.3	21	61	86	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4
ALCLLPB25	25	7.1	9.5	16	2.1	29	61	94	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLLPB35	35	8.2	11.2	18	2.9	35	72	112	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLPB50	50	9.5	12.8	18.2	3.0	44	80	130	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLPB70	70	11.2	14.3	21	3.0	48	100	154	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLLPB95	95	13.5	17.4	25	3.8	54	100	161	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLLPB120	120	15.6	20.6	29	4.9	60	100	168	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLLPB150	150	16.7	22.5	32	5.6	60	100	169	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLLPB185	185	18.4	24.2	35	5.5	64	100	174	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLLPB240	240	21.2	28.2	40	6.8	80	100	192	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12
ALCLLPB300	300	23.5	31.3	45	7.5	90	105	208	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16
ALCLLPB400	400	26.8	34.8	50	7.7	100	110	225	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16
ALCLLPB500	500	30.0	39.0	56	8.7	105	110	230	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22
ALCLLPB630	630	34.0	45	63	10.8	115	110	242	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22

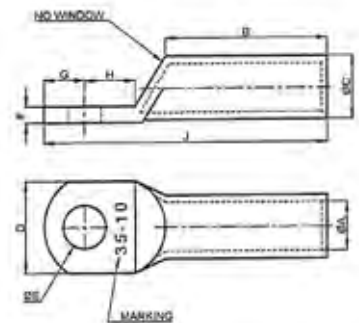
1.7 NON-INSULATED LUGS

1.7.6 NON-INSULATED LONG BARREL LUGS - ALCO



FEATURES:

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- Operating temperature: -55°C to $+155^{\circ}\text{C}$
- All sizes can be sold individually



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm) E	DIMENSIONS (mm)								RECOMMENDED HEAT SHRINK		
			BARREL ID	BARREL OD	PALM WIDTH	PALM THICKNESS	BARREL LENGTH	STUD DIST FROM BARREL	STUD DIST FROM TOP	TOTAL LENGTH	THIN WALL	MED WALL	THICK WALL
			A	C	D	F	B	H	G	J			
ALCLLB10M6	10	6.5	4.7	7.1	12	1.8	18	7	6	35	HSTNW10.0/5.0	HSMWGL16/5L	HSTKWGL13/4
ALCLLB16M6	16	6.5	5.5	7.9	11	2.4	21	9	7	41	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4
ALCLLB16M8	16	8.4	5.5	7.9	14	1.7	21	9	7	41	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4
ALCLLB25M8	25	8.4	7.1	9.5	14	2.4	29	9	7	49	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLLB25M10	25	10.5	7.1	9.5	16	2.0	29	10	9	52	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLLB25M12	25	13	7.1	9.5	18	1.7	29	13	10	56	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLLB35M8	35	8.4	8.2	11.2	16	3.0	35	10	9	59	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLB35M10	35	10.5	8.2	11.2	18	2.6	35	10	9	59	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLB35M12	35	13	8.2	11.2	20	2.4	35	13	11	64	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLB50M10	50	10.5	9.5	12.8	18	3.2	44	10	8	68	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLB50M12	50	13	9.5	12.8	21	2.7	46	13	11	76	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLLB70M10	70	10.5	11.2	14.3	21	3.2	48	13	11	78	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLLB70M12	70	13	11.2	14.3	21	3.2	48	13	11	78	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLLB95M10	95	10.5	13.5	17.4	25	3.8	54	14	12	87	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLLB95M12	95	13	13.5	17.4	25	3.8	54	14	12	87	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLLB120M10	120	10.5	15.6	20.6	30	4.7	60	14	12	94	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLLB120M12	120	13	15.6	20.6	30	4.7	60	14	12	94	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLLB150M12	150	13	16.7	22.5	32	5.3	60	18	18	105	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLLB150M16	150	17	16.7	22.5	32	5.3	60	18	18	105	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLLB185M12	185	13	18.4	24.2	36	5.4	64	18	18	111	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLLB240M12	240	13	21.2	28.2	41	7.0	80	21	21	134	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12
ALCLLB300M16	300	17	23.5	31.3	46	7.7	90	23	23	149	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16
ALCLLB400MB	400	-	26.8	34.8	50	7.9	93	28	24	163	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16
ALCLLB500MB	500	-	30.0	39.0	56	7.6	105	27	27	174	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22
ALCLLB630MB	630	-	34.0	45.0	64.4	9.5	110	32	32	191	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22

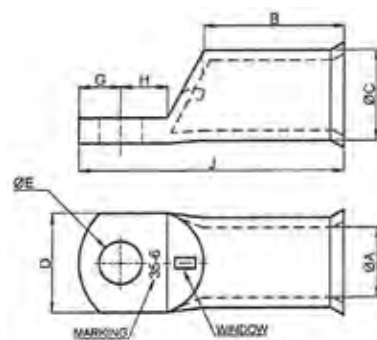
1.7 NON-INSULATED LUGS

1.7.7 NON-INSULATED CIRCUIT BREAKER LUGS - ALCO



FEATURES:

- Non-insulated electro grade copper crimp lugs suitable for stranded to fine-stranded copper cable
- Electro tinned finish for corrosion resistance
- 99.9% copper for high conductivity
- Includes inspection port
- Operating temperature: -55°C to $+155^{\circ}\text{C}$
- All sizes can be sold individually



SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	DIMENSIONS (mm)							RECOMMENDED HEAT SHRINK		
			BARREL ID	BARREL OD	PALM WIDTH	BARREL LENGTH	STUD DIST FROM BARREL	STUD DIST FROM TOP	TOTAL LENGTH	THIN WALL	MED WALL	THICK WALL
			A	C	D	B	H	G	J			
ALCLCB35M6	35	6.20	8.2	11.2	15	21	8	7	41	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLCB50M6	50	9.50	9.5	12.8	15	22	8	7	43	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLCB50M10	50	10.20	9.5	12.8	19	22	12	9	49	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6
ALCLCB70M6	70	6.20	11.2	14.3	17	24	8.5	6.5	45	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLCB70M10	70	10.20	11.2	14.3	19	24	12	9	51	HSTNW22/11	HSMWGL25/8L	HSTKWGL19/6
ALCLCB95M8	95	8.20	13.5	17.4	19	27	9	8	51	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLCB95M10	95	10.50	13.5	17.4	19	27	12	9	55	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLCB120M8	120	8.5	15.6	20.6	19	30	12	11	61	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLCB120M10	120	10.2	15.6	20.6	19	30	12	11	61	HSTNW40/20	HSMWGL35/12L	HSTKWGL28/9
ALCLCB150M8	150	8.2	16.7	22.5	19	30	15	12	66	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLCB150M10	150	10.2	16.7	22.5	19	30	15	12	66	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLCB185M10	185	10.5	18.4	24.2	25	32	17.5	14.5	74	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLCB240M10	240	10.2	21.2	28.2	31	38	18.5	13.5	82	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12
ALCLCB240M12	240	13.0	21.2	28.2	31	38	18.5	13.5	82	HSTNW40/20	HSMWGL50/16L	HSTKWGL38/12
ALCLCB300M10	300	10.50	23.5	31.3	31	42	20	12	87	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16

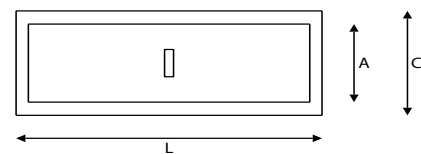
1.8.1 NON-INSULATED COPPER LINKS - ALCO



FEATURES:

- Non-insulated electro grade copper crimp links suitable for stranded to fine-stranded copper cable
- Long barrel
- Electro tinned finish for high conductivity
- Includes entrance chamfer and centre dimpling
- Conform to IS 191 (part V GR.ETP) specifications

OPERATING TEMPERATURE: -55°C to +155°C

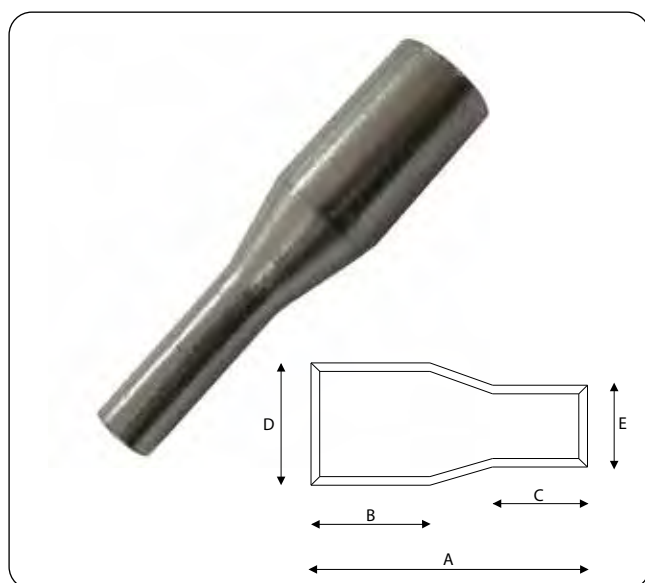


SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (mm)			PACK QTY	RECOMMENDED HEAT SHRINK		
		A	C	L		THIN WALL	MED WALL	THICK WALL
ALCLK1.5/100	1.5	2.1	3.8	15.0	100	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4
ALCLK2.5/100	2.5	2.5	4.0	22.0	100	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4
ALCLK4/50	4.0	3.1	4.8	22.0	50	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4
ALCLK6/50	6.0	3.8	5.5	22.0	50	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4
ALCLK10/50	10.0	4.5	6.9	26.0	50	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4
ALCLK16/25	16.0	5.9	8.0	36.0	25	HSTNW10.0/5.0	HSMWGL10/3L	HSTKWGL13/4
ALCLK25/25	25.0	7.0	9.7	47.0	25	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6
ALCLK35/25	35.0	8.4	11.5	47.0	25	HSTNW18/9	HSMWGL16/5L	HSTKWGL19/6
ALCLK50/25	50.0	9.5	12.7	47.0	25	HSTNW18/9	HSMWGL16/5L	HSTKWGL19/6
ALCLK70/10	70.0	11.1	14.3	54.0	10	HSTNW18/9	HSMWGL25/8L	HSTKWGL28/9
ALCLK95/10	95.0	13.5	17.5	54.0	10	HSTNW22/11	HSMWGL25/8L	HSTKWGL28/9
ALCLK120/10	120.0	15.5	20.6	68.0	10	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLK150/6	150.0	16.3	22.2	68.0	6	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLK185/6	185.0	18.3	24.3	68.0	6	HSTNW40/20	HSMWGL35/12L	HSTKWGL38/12
ALCLK240/6	240.0	21.2	28.6	88.0	6	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16
ALCLK300/3	300.0	23.8	31.9	98.0	3	HSTNW50/25	HSMWGL50/16L	HSTKWGL51/16
ALCLK400/3	400.0	26.8	34.8	98.0	3	HSTNW50/25	HSMWGL50/16L	HSTKWGL68/22
ALCLK500/3	500.0	30.0	38.0	98.0	3	HSTNW70/35	HSMWGL85/12L	HSTKWGL68/22
ALCLK630/3	630.0	33.5	45.0	101.0	3	HSTNW70/35	HSMWGL85/12L	HSTKWGL90/30

1.8 NON-INSULATED LINKS

1.8.2 NON-INSULATED COPPER REDUCING LINKS - ALCO



For Joining of differing CSA conductors

FEATURES:

- Uninsulated electrolytic grade copper crimp links for stranded and fine stranded copper conductors (class 2,5 and 6).
- Electro-tin plated for corrosion resistance.
- Chamfered ends for ease of entry of stranded conductors.
- Suitable for use with standard 6 tonne, 12 tonne and indent and hex crimp tools.
- All sizes can be sold individually

STANDARDS: AS 4325.1

MATERIAL: High Conductivity (Electrolytic grade) annealed copper

FINISH: Tin plated

SPECIFICATIONS:

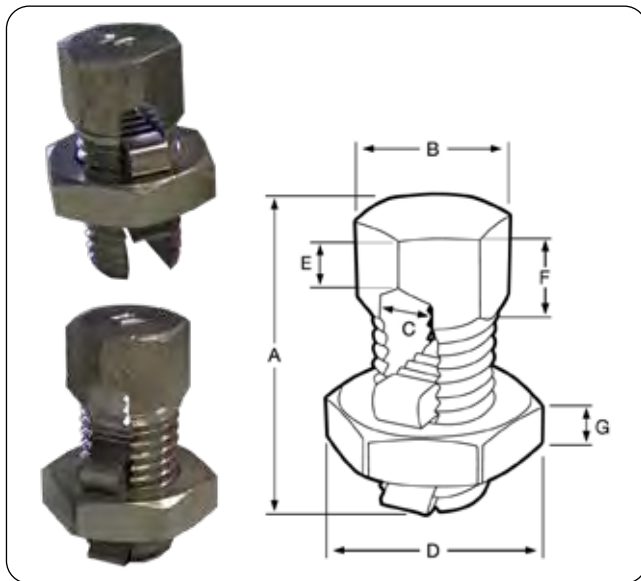
TEMPERATURE RANGE: -55°C to + 150°C

PART NUMBER	OVERALL LENGTH	LARGE BARREL		SMALL BARREL		RECOMMENDED HEATSHRINK TUBE			PACK SIZE
		LENGTH (mm)	ID (mm)	LENGTH (mm)	ID (mm)	THIN WALL	MEDIUM WALL	THICK WALL	
ALCLKR6-4	30	10	4	10	3.0	HSTNW7.0/3.55	HSMWGL10/3L	HSTKWGL13/4	50
ALCLKR10-6	30	10	4.5	10	4.0	HSTNW 10.0/5.0	HSMWGL10/3L	HSTKWGL13/4	50
ALCLKR16-6	40	19	5.5	10	4.0	HSTNW 10.0/5.0	HSMWGL10/3L	HSTKWGL13/4	25
ALCLKR16-10	40	19	5.5	10	4.5	HSTNW 10.0/5.0	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR25-6	40	21	7.5	10	4.0	HSTNW 10.0/5.0	HSMWGL10/3L	HSTKWGL13/4	25
ALCLKR25-10	40	21	7.5	10	4.5	HSTNW 13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR25-16	50	21	7.5	19	5.5	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR35-10	40	21	8.5	10	4.5	HSTNW 13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR35-16	55	21	8.5	19	5.5	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR35-25	60	21	8.5	21	7.5	HSTNW13/6.5	HSMWGL25/8L	HSTKWGL19/6	25
ALCLKR50-10	45	22	9.5	10	4.5	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR50-16	55	22	9.5	19	5.5	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL13/4	25
ALCLKR50-25	55	22	9.5	21	7.5	HSTNW13/6.5	HSMWGL16/5L	HSTKWGL19/6	25
ALCLKR50-35	60	22	9.5	21	8.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	25
ALCLKR70-16	60	24	11.5	19	5.5	HSTNW13/6.5 **	HSMWGL16/5L	HSTKWGL13/4	10
ALCLKR70-25	60	24	11.5	21	7.5	HSTNW13/6.5	HSMWGL25/8L	HSTKWGL19/6	10
ALCLKR70-35	65	24	11.5	21	8.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCLKR70-50	65	24	11.5	22	9.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL28/9	10
ALCLKR95-25	65	27	13.5	21	7.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCLKR95-35	65	27	13.5	21	8.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL19/6	10
ALCLKR95-50	70	27	13.5	22	9.5	HSTNW18/9	HSMWGL25/8L	HSTKWGL28/9	10
ALCLKR95-70	70	27	13.5	24	11.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL28/9	10
ALCLKR120-35	70	30	15.5	21	8.5	HSTNW18/9 **	HSMWGL25/8L	HSTKWGL19/6	10
ALCLKR120-50	70	30	15.5	22	9.5	HSTNW25/12	HSMWGL25/8L	HSTKWGL28/9	10
ALCLKR120-70	75	30	15.5	24	11.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL28/9	10
ALCLKR120-95	75	30	15.5	27	13.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL38/12	10
ALCLKR150-50	70	30	16.5	22	9.5	HSTNW25/12	HSMWGL25/8L	HSTKWGL28/9	6
ALCLKR150-70	75	30	16.5	24	11.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL28/9	6
ALCLKR150-95	80	30	16.5	27	13.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL38/12	6
ALCLKR150-120	80	30	16.5	30	15.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCLKR185-70	75	32	18.5	24	11.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL28/9	6
ALCLKR185-95	80	32	18.5	27	13.5	HSTNW25/12	HSMWGL35/12L	HSTKWGL38/12	6
ALCLKR185-120	85	32	18.5	30	15.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCLKR185-150	85	32	18.5	30	16.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCLKR240-95	85	38	21.5	27	13.5	HSTNW25/12 **	HSMWGL35/12L	HSTKWGL38/12	6
ALCLKR240-120	90	38	21.5	30	15.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCLKR240-150	90	38	21.5	30	16.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6
ALCLKR240-185	95	38	21.5	32	18.5	HSTNW40/20	HSMWGL50/16L	HSTKWGL51/16	6

- Suits building wire only

1.9 LINE TAPS

1.9.1 BRASS LINE TAPS - ALCO



FEATURES:

- Brass split bolt connectors used to join cables
- Ideal as connection clamp
- Used to firmly hold cables and provide maximum conductivity
- Hexagonal head
- Made from nickel plated brass

SPECIFICATIONS:

PART NUMBER	CONDUCTOR SIZE (mm ²)	DIMENSIONS (mm)							PACK QTY
		A	B	C	D	E	F	G	
ALCBLT22	16	29	13	5	18	5	9	5	100
ALCBLT24	35	35	18	8	24	6	12	7	50
ALCBLT25	50	42	23	10	27	7	16	9	25
ALCBLT26	95	53	26	14	34	7	13	9	15
ALCBLT28	185	60	32	18	38	8	18	12	10

1.10 TERMINAL KITS

1.10.1 PROFESSIONAL ELECTRICIANS TERMINAL KIT - ALCO



PART NO: ALCPTKIT20

FEATURES:

- Professional 1,231 piece electrician's terminals kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMH3DW	Ratchet Crimping Tool	–	–	–	1
ALCRR4	Ring Terminal	0.5–1.5	4.0	Red	90
ALCRR5	Ring Terminal	0.5–1.5	5.0	Red	90
ALCRR6	Ring Terminal	0.5–1.5	6.0	Red	60
ALCRB4	Ring Terminal	1.5–2.5	4.0	Blue	70
ALCRB5	Ring Terminal	1.5–2.5	5.0	Blue	60
ALCRB6	Ring Terminal	1.5–2.5	6.0	Blue	45
ALCRY5	Ring Terminal	2.5–6.0	5.0	Yellow	40
ALCFR4	Fork Terminal	0.5–1.5	4.0	Red	80
ALCFB4	Fork Terminal	1.5–2.5	4.0	Blue	60
ALCFY6	Fork Terminal	2.5–6.0	6.0	Yellow	40
ALCFIFQDR	Fully Insulated Quick Disconnect	0.5–1.5	–	Red	35
ALCFIFQDB	Fully Insulated Quick Disconnect	1.5–2.5	–	Blue	35
ALCFIFQDY	Fully Insulated Quick Disconnect	4.0–6.0	–	Yellow	20
ALCFQDR	Quick Disconnect	0.5–1.5	–	Red	60
ALCFQDB	Quick Disconnect	1.5–2.5	–	Blue	90
ALCFQDY	Quick Disconnect	4.0–6.0	–	Yellow	35
ALCMDTABR	Tabs Disconnect	0.5–1.5	–	Red	70
ALCMDTABB	Tabs Disconnect	1.5–2.5	–	Blue	100
ALCPBB	Piggy Back Terminal	1.5–2.5	–	Blue	50
ALCSPLR	Splice Terminal	0.5–1.5	–	Red	40
ALCSPLB	Splice Terminal	1.5–2.5	–	Blue	35
ALCSPLY	Splice Terminal	4.0–6.0	–	Yellow	25

1.10.2 ECONOMICAL ELECTRICIANS TERMINAL KIT - ALCO

**PART NO: ALCPTKIT10****FEATURES:**

- Economical 521 piece electrician's terminals kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMEB100CW	Combination Crimping Pliers	–	–	–	1
ALCRR5	Ring Terminal	0.5–1.5	5.0	Red	50
ALCRB5	Ring Terminal	1.5–2.5	5.0	Blue	50
ALCFR5	Fork Terminal	0.5–1.5	5.0	Red	50
ALCFB5	Fork Terminal	1.5–2.5	5.0	Blue	50
ALCPINR	Pin Terminal	0.5–1.5	–	Red	50
ALCPINB	Pin Terminal	1.5–2.5	–	Blue	50
ALCSPLR	Splice Terminal	0.5–1.5	–	Red	30
ALCSPLB	Splice Terminal	1.5–2.5	–	Blue	30
ALCFIFQDR	Quick Disconnect	0.5–1.5	–	Red	30
ALCFIFQDB	Quick Disconnect	1.5–2.5	–	Blue	30
ALCMDTABR	Tabs Disconnect	0.5–1.5	–	Red	50
ALCMDTABB	Tabs Disconnect	1.5–2.5	–	Blue	50

1.10 TERMINAL KITS

1.10.3 ELECTRICIANS TERMINAL KIT - ALCO



PART NO: ALCPREIKITP

FEATURES:

- 1,061 piece electrician's terminals promo kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application
- **Note:** Contents may vary depending on availability

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMH3DW	Ratchet Crimping Tool	—	—	—	1
ALCRR3.7	Ring Terminal	0.5–1.5	3.7	Red	90
ALCRR10	Ring Terminal	0.5–1.5	10.0	Red	50
ALCRB10	Ring Terminal	1.5–2.5	10.0	Blue	45
ALCRY3.7	Ring Terminal	2.5–6.0	3.7	Yellow	40
ALCRY4	Ring Terminal	2.5–6.0	4.0	Yellow	40
ALCRY12	Ring Terminal	2.5–6.0	12.0	Yellow	20
ALCFR5	Fork Terminal	0.5–1.5	5.0	Red	80
ALCFR6	Fork Terminal	0.5–1.5	6.0	Red	50
ALCFB6	Fork Terminal	1.5–2.5	5.0	Blue	50
ALCFY3.7	Fork Terminal	4.0–6.0	3.7	Yellow	40
ALCFY5	Fork Terminal	4.0–6.0	5.0	Yellow	30
ALCFY6	Fork Terminal	4.0–6.0	6.0	Yellow	30
ALCFY8	Fork Terminal	4.0–6.0	8.0	Yellow	30
ALCPBR	Piggy Back Terminal	0.5–1.5	—	Red	60
ALCPBY	Piggy Back Terminal	4.0–6.0	—	Yellow	40
ALCBTR	Bullet Terminal	0.5–1.5	—	Red	80
ALCBTB5	Bullet Terminal	1.5–2.5	—	Blue	60
ALCBTY	Bullet Terminal	4.0–6.0	—	Yellow	40
ALCBRR	Bullet Receptacle	0.5–2.5	—	Red	70
ALCBRB5	Bullet Receptacle	1.5–2.5	—	Blue	50
ALCBRY	Bullet Receptacle	2.5–6.0	—	Yellow	25
ALCMDTABY	Tab Disconnect	2.5–6.0	—	Yellow	40

1.10 TERMINAL KITS

1.10.4 UNIVERSAL TERMINALS, LUGS & LINKS MIXED KIT - ALCO



PART NO: ALCK007KIT

FEATURES:

- Universal 1,801 piece electrician's terminals, lugs and links mixed kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Non-insulated copper crimp terminals and bootlace terminals also included
- Suitable for any professional application
- **Note:** Contents may vary depending on availability

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATK007	Universal Crimping Tool	–	–	–	1
ALCRR5	Ring Terminal	0.5–1.5	5.0	Red	100
ALCRB5	Ring Terminal	1.5–2.5	5.0	Blue	70
ALCRY5	Ring Terminal	2.5–6.0	5.0	Yellow	40
ALCFB6	Fork Terminal	6.0	10.0	Blue	50
ALCFY6	Fork Terminal	6.0	5.0	Yellow	30
ALCSPLR	Splice Terminal	0.5–1.5	–	Red	80
ALCSPLB	Splice Terminal	1.5–2.5	–	Blue	70
ALCL1.5M5	Copper Crimp Lug	1.5	5.0	Copper	100
ALCL1.5M6	Copper Crimp Lug	1.5	6.0	Copper	100
ALCL2.5M4	Copper Crimp Lug	2.5	4.0	Copper	100
ALCL2.5M5	Copper Crimp Lug	2.5	5.0	Copper	100
ALCL4M5	Copper Crimp Lug	4.0	5.0	Copper	80
ALCL4M6	Copper Crimp Lug	4.0	6.0	Copper	80
ALCL6M6	Copper Crimp Lug	6.0	6.0	Copper	50
ALCL6M10	Copper Crimp Lug	6.0	10.0	Copper	50
ALCBL0	Bootlace Terminal	4.0	–	Orange	100
ALCBLY	Bootlace Terminal	1.0	–	Yellow	100
ALCBLW	Bootlace Terminal	0.5	–	White	100
ALCBLB	Bootlace Terminal	0.75	–	Blue	100
ALCBLR	Bootlace Terminal	1.0	–	Red	100
ALCBLBK	Bootlace Terminal	1.5	–	Black	100
ALCBLGY	Bootlace Terminal	2.5	–	Grey	100

1.10 TERMINAL KITS

1.10.5 PRE-INSULATED TERMINALS, LUGS & LINKS KIT - ALCO



PART NO: ALCPTLLKIT18

FEATURES:

- 361 piece electrician's pre-insulated terminals, lugs and links kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Non-insulated copper crimp terminals and bootlace terminals also included
- Suitable for any professional application
- **Note:** Contents may vary depending on availability

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMEB100CW	Combination Crimping Pliers	–	–	–	1
ALCRR4	Ring Terminal	0.5–1.5	4.0	Red	20
ALCRR5	Ring Terminal	0.5–1.5	5.0	Red	20
ALCRB4	Ring Terminal	1.5–2.5	5.0	Blue	20
ALCRB5	Ring Terminal	1.5–2.5	5.0	Blue	20
ALCFR4	Fork Terminal	0.5–1.5	4.0	Red	20
ALCFB4	Fork Terminal	1.5–2.5	4.0	Blue	20
ALCSPLR	Splice Terminal	0.5–1.5	–	Red	20
ALCSPLB	Splice Terminal	1.5–2.5	–	Blue	20
ALCMDTABR	Tab Disconnect	0.5–1.5	–	Red	20
ALCMDTABB	Tab Disconnect	1.5–2.5	–	Blue	20
ALCFIFQDR	Fully Insulated Quick Disconnect	0.5–1.5	–	Red	20
ALCFIFQDB	Fully Insulated Quick Disconnect	1.5–2.5	–	Blue	20
ALCLK1.5	Copper Crimp Link	1.5	–	Copper	20
ALCL1.5M4	Copper Crimp Lug	1.5	4.0	Copper	20
ALCLK2.5	Copper Crimp Link	2.5	–	Copper	20
ALCL1.5M5	Copper Crimp Lug	1.5	5.0	Copper	20
ALCLK4	Copper Crimp Link	4.0	–	Copper	20
ALCL4M5	Copper Crimp Lug	4.0	5.0	Copper	20

1.10.6 COPPER LUGS & LINKS KIT - ALCO

**PART NO: ALCLLKIT10****FEATURES:**

- 801 piece electrician's copper lugs and links kit
- Electro tinned for high conductivity
- Non-insulated copper crimp terminals suitable for stranded to fine stranded copper cable
- **Note:** Contents may vary depending on availability

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMH4NW	Ratchet Crimping Tool	—	—	—	1
ALCLK1.5	Copper Crimp Link	1.5	—	Copper	100
ALCLK2.5	Copper Crimp Link	2.5	—	Copper	100
ALCLK6	Copper Crimp Link	6.0	—	Copper	50
ALCLK10	Copper Crimp Link	10.0	—	Copper	50
ALCL1.5M5	Copper Crimp Lug	1.5	5.0	Copper	100
ALCL1.5M6	Copper Crimp Lug	1.5	6.0	Copper	100
ALCL2.5M4	Copper Crimp Lug	2.5	4.0	Copper	100
ALCL2.5M5	Copper Crimp Lug	2.5	5.0	Copper	100
ALCL6M8	Copper Crimp Lug	6.0	8.0	Copper	50
ALCL6M10	Copper Crimp Lug	6.0	10.0	Copper	50

1.10 TERMINAL KITS

1.10.7 ELECTRICIANS TERMINALS SERVICE KIT - ALCO



PART NO: ALCSERVICEKIT

FEATURES:

- 792 piece electrician's terminals service kit
- Pre-insulated single crimp insulation seal
- Three piece construction
- Colour-coded PVC insulation for easy distinction
- Non-insulated copper crimp terminals also included
- **Note:** Contents may vary depending on availability

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	STUD SIZE (mm)	COLOUR	QTY
WATMEB100CW	Combination Crimping Pliers	–	–	–	1
WATBLC-DL10	Bootlace Terminals Crimper	–	–	–	1
ALCRR3.7	Ring Terminal	0.5–1.5	3.7	Red	25
ALCRB3.7	Ring Terminal	1.5–2.5	3.7	Blue	25
ALCRY3.7	Ring Terminal	4.0–6.0	3.7	Yellow	25
ALCFR3.7	Fork Terminal	0.5–1.5	3.7	Red	25
ALCFB3.7	Fork Terminal	1.5–2.5	3.7	Blue	25
ALCFY3.7	Fork Terminal	4.0–6.0	3.7	Yellow	20
ALCBL0	Bootlace Terminal	4.0	–	Orange	50
ALCBLG	Bootlace Terminal	6.0	–	Green	25
ALCBLW	Bootlace Terminal	0.5	–	White	100
ALCBLB	Bootlace Terminal	0.75	–	Blue	100
ALCBLY	Bootlace Terminal	1.0	–	Yellow	100
ALCBLBK	Bootlace Terminal	1.5	–	Black	100
ALCBLGY	Bootlace Terminal	2.5	–	Grey	50
ALCLK1.5	Copper Crimp Link	1.5	–	Copper	25
ALCLK2.5	Copper Crimp Link	2.5	–	Copper	25
ALCL1.5M6	Copper Crimp Lug	1.5	6.0	Copper	25
ALCL2.5M6	Copper Crimp Lug	2.5	6.0	Copper	25
ALCL4M5	Copper Crimp Lug	4.0	5.0	Copper	20

1.10.8 ELECTRICIANS BOOTLACE TERMINALS KIT - ALCO

**PART NO: ALCBLCKIT****FEATURES:**

- 892 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Colour-coded PVC insulation for easy distinction
- Twin bootlace terminals also included

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	COLOUR	QTY
WATBLC-TC6	Bootlace Terminals Crimping Tool	–	–	1
WATBLC-TC8	Bootlace Terminals Crimping Tool	–	–	1
ALCBLW	Bootlace Terminal	0.5	White	100
ALCBLB	Bootlace Terminal	0.75	Blue	100
ALCBLR	Bootlace Terminal	1.0	Red	100
ALCBLY	Bootlace Terminal	1.0	Yellow	100
ALCBLBK	Bootlace Terminal	1.5	Black	100
ALCBLGY	Bootlace Terminal	2.5	Grey	100
ALCBLO	Bootlace Terminal	4.0	Orange	50
ALCBLG	Bootlace Terminal	6.0	Green	40
ALCBLTGY	Twin Bootlace Terminal	0.75	Yellow	50
ALCBLTR	Twin Bootlace Terminal	1.0	Red	50
ALCBLTBK	Twin Bootlace Terminal	1.5	Black	50
ALCBLTB	Twin Bootlace Terminal	2.5	Blue	50

1.10 TERMINAL KITS

1.10.9 ELECTRICIANS BOOTLACE TERMINALS KIT SMALL - ALCO



PART NO: ALCBLCKIT-170

FEATURES:

- 170 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max
- Operating Temperature: +105°C

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	COLOUR	QTY
ALCBLW	Bootlace Terminal	0.5	White	50
ALCBLB	Bootlace Terminal	0.75	Blue	40
ALCBLR	Bootlace Terminal	1.0	Red	30
ALCBLBK	Bootlace Terminal	1.5	Black	20
ALCBLGY	Bootlace Terminal	2.5	Grey	15
ALCBLO	Bootlace Terminal	4.0	Orange	10
ALCBLG	Bootlace Terminal	6.0	Green	5

1.10.10 ELECTRICIANS BOOTLACE TERMINALS KIT MEDIUM - ALCO



PART NO: ALCBLCKIT-535

FEATURES:

- 535 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max
- Operating Temperature: +105°C

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	COLOUR	QTY
ALCBLW	Bootlace Terminal	0.5	White	100
ALCBLB	Bootlace Terminal	0.75	Blue	100
ALCBLR	Bootlace Terminal	1.0	Red	100
ALCBLBK	Bootlace Terminal	1.5	Black	100
ALCBLGY	Bootlace Terminal	2.5	Grey	50
ALCBLO	Bootlace Terminal	4.0	Orange	50
ALCBLG	Bootlace Terminal	6.0	Green	25
ALCBLBR	Bootlace Terminal	10.0	Brown	10

1.10.11 ELECTRICIANS BOOTLACE TERMINALS KIT LARGE - ALCO

**PART NO: ALCBLCKIT-689****FEATURES:**

- 689 piece electrician's bootlace terminals kit
- Pre-insulated bootlace terminals
- Provide precise terminations to multi-stranded cable
- Twin bootlace terminals used to terminate two wires in the one terminal
- Reduces possibility of short-circuiting and ensures no strands stray
- Colour-coded polyamide insulation for easy identification
- 600V max
- Operating Temperature: +105°C

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	CONDUCTOR SIZE (mm ²)	COLOUR	QTY
ALCBLW	Bootlace Terminal	0.5	White	100
ALCBLB	Bootlace Terminal	0.75	Blue	100
ALCBLR	Bootlace Terminal	1.0	Red	100
ALCBLBK	Bootlace Terminal	1.5	Black	100
ALCBLGY	Bootlace Terminal	2.5	Grey	50
ALCBL0	Bootlace Terminal	4.0	Orange	50
ALCBLG	Bootlace Terminal	6.0	Green	30
ALCBLBR	Bootlace Terminal	10.0	Brown	15
ALCBLI	Bootlace Terminal	16.0	Ivory	10
ALCBLTBK	Twin Bootlace Terminal	1.5	Black	50
ALCBLTB	Twin Bootlace Terminal	2.5	Blue	30
ALCBLTR	Twin Bootlace Terminal	1.0	Red	50

1.10 TERMINAL KITS

1.10.12 ELECTRICIANS INSULATED TERMINALS SERVICE KIT - ALCO



PART NO: ALCPREIKIT-486

FEATURES:

- 486 piece pre-insulated electrician's terminals kit
- Easy cable entry
- Colour-coded insulation for easy distinction
- Suitable for any professional application

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	COLOUR	MATERIAL	VOLTAGE RATING	CONSTRUCTION	MAX OPERATING TEMP	QTY
ALCRR3.7	Ring Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCRR4	Ring Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCRR5	Ring Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCRB3.7	Ring Terminal	Blue	PVC	600V	3 pce/Double grip	75°C	25
ALCRB4	Ring Terminal	Blue	PVC	600V	3 pce/Double grip	75°C	25
ALCRB5	Ring Terminal	Blue	PVC	600V	3 pce/Double grip	75°C	25
ALCRY5	Ring Terminal	Yellow	PVC	600V	3 pce/Double grip	75°C	25
ALCRY6	Ring Terminal	Yellow	PVC	600V	3 pce/Double grip	75°C	25
ALCFR3.7	Fork Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCFR4	Fork Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCFB4	Fork Terminal	Blue	PVC	600V	3 pce/Double grip	75°C	25
ALCFQDR	Quick Disconnect	Red	PVC	300V	3 pce/Double grip	75°C	25
ALCFQDB	Quick Disconnect	Blue	PVC	300V	3 pce/Double grip	75°C	25
ALCMDTABR	Tabs Disconnect	Red	PVC	300V	3 pce/Double grip	75°C	25
ALCMDTABB	Tabs Disconnect	Blue	PVC	300V	3 pce/Double grip	75°C	25
ALCSPLR	Splice Terminal	Red	PVC	600V	3 pce/Double grip	75°C	25
ALCSPLB	Splice Terminal	Blue	PVC	600V	3 pce/Double grip	75°C	25
ALCSPLY	Splice Terminal	Yellow	PVC	600V	3 pce/Double grip	75°C	25
ALCHSSPLR	Heatshrink Splice	Red	Polyolefin	600V	2 pce/Single grip	105°C	12 *
ALCHSSPLB	Heatshrink Splice	Blue	Polyolefin	600V	2 pce/Single grip	105°C	12 *
ALCHSSPLY	Heatshrink Splice	Yellow	Polyolefin	600V	2 pce/Single grip	105°C	12 *

* Please note the Heatshrink splices are split in to two compartments qty 6 in each

1.10.13 SUPERGRIP PRE-INSULATED TERMINAL KIT - ALCO

**PART NO: ALCPREKIT-800****FEATURES:**

- 800 piece pre-insulated electrician's terminals kit
- Easy cable entry
- Colour-coded PVC insulation for easy distinction
- Suitable for any professional application

CONTENTS OF KIT:

PART NUMBER	DESCRIPTION	COLOUR	VOLTAGE RATING	CONSTRUCTION	MAX OPERATING TEMP	QTY
ALCRR4	Ring Terminal	Red	600V	3 pce/Double grip	75°C	50
ALCRR5	Ring Terminal	Red	600V	3 pce/Double grip	75°C	50
ALCRR6	Ring Terminal	Red	600V	3 pce/Double grip	75°C	50
ALCRY5	Ring Terminal	Yellow	600V	3 pce/Double grip	75°C	20
ALCRY6	Ring Terminal	Yellow	600V	3 pce/Double grip	75°C	15
ALCRY8	Ring Terminal	Yellow	600V	3 pce/Double grip	75°C	15
ALCRY10	Ring Terminal	Yellow	600V	3 pce/Double grip	75°C	25
ALCRB4	Ring Terminal	Blue	600V	3 pce/Double grip	75°C	50
ALCRB5	Ring Terminal	Blue	600V	3 pce/Double grip	75°C	50
ALCRB6	Ring Terminal	Blue	600V	3 pce/Double grip	75°C	50
ALCRB8	Ring Terminal	Blue	600V	3 pce/Double grip	75°C	50
ALCFR4	Fork Terminal	Red	600V	3 pce/Double grip	75°C	25
ALCFB4	Fork Terminal	Blue	600V	3 pce/Double grip	75°C	25
ALCFY6	Fork Terminal	Yellow	600V	3 pce/Double grip	75°C	25
ALCMDTABR	Tabs Disconnect	Red	300V	3 pce/Double grip	75°C	25
ALCMDTABB	Tabs Disconnect	Blue	300V	3 pce/Double grip	75°C	25
ALCPBB	Piggy Back Terminal	Blue	300V	3 pce/Double grip	75°C	25
ALCFIQDR	Fully Insulated Quick Disconnect	Red	300V	3 pce/Double grip	75°C	25
ALCFIQDB	Fully Insulated Quick Disconnect	Blue	300V	3 pce/Double grip	75°C	25
ALCFIQDY	Fully Insulated Quick Disconnect	Yellow	300V	3 pce/Double grip	75°C	25
ALCFQDR	Quick Disconnect	Red	300V	3 pce/Double grip	75°C	25
ALCFQDB	Quick Disconnect	Blue	300V	3 pce/Double grip	75°C	25
ALCFQDY	Quick Disconnect	Blue	300V	3 pce/Double grip	75°C	25
ALCSPLR	Splice Terminal	Red	600V	3 pce/Double grip	75°C	25
ALCSPLB	Splice Terminal	Blue	600V	3 pce/Double grip	75°C	25
ALCSPLY	Splice Terminal	Yellow	600V	3 pce/Double grip	75°C	25

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SECTION ②

CABLE JOINTING



2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.1 HEATSHRINK TUBING RANGE THIN WALL - ALCO



FEATURES:

Purpose	Heatshrink is ideally used for heavy duty and general purpose use i.e. electrical insulation, termination, splicing, bundling, cable protection and strain relief
Applications	Suitable for insulation colour-coding and cable terminations
Features	Low shrink temperature and flame retardant Flexible and UV resistant
Shrink Temperature	Above 110°C
Shrink Ratio	Radial Shrinking Ratio: > 50% Longitudinal Shrinking Ratio: < 10%
Tensile Strength	15.5 MPa
Elongation at Break	580%
Material	Ethylene Vinyl Acetate
Operating Temperature	-55°C to +125°C

TECHNICAL DATA:

PROPERTY		TEST METHOD	STANDARD
Physical	Tensile strength (Mpa)	ASTM D2671	≥10.4
	Elongation (%)	ASTM D2671	≥200
	Tensile strength after aging (Mpa)	UL 224 158°C*168hrs	≥7.3
	Elongation after aging (%)	UL 224 158°C*168hrs	≥100
	Heat shock	UL 224 250°C*4hrs	No Dripping, No Cracking
Electrical	Cold blend	UL 224 -30°C*1hrs	No cracking
	Dielectric strength(kV/mm)	IEC 243	≥15
	Dielectric withstand-300V	UL 224	No breakdown for 1500V
	Dielectric withstand-600V	UL 224	No breakdown for 2500V
	Volume resistivity (Ω.cm)	IEC 93	≥1*10 ¹⁴
Chemical	Corrosion of bare copper	UL 224 158°C*168hrs	Pass
	Copper stability	UL 224 158°C*168hrs	Pass
	Flammability	UL 224	VW-1

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.1 HEATSHRINK TUBING RANGE THIN WALL - ALCO

PART NUMBER	DIAMETER AS SUPPLIED (mm)	FULLY RECOVERED DIAMETER AFTER HEATING (mm)	FULLY RECOVERED WALL THICKNESS (mm)	COLOUR	LENGTH (M)
HSTNW1.5/0.75BK	1.5	0.65	0.28	black	1.2
HSTNW1.5/0.75BL	1.5	0.65	0.28	blue	1.2
HSTNW1.5/0.75CL	1.5	0.65	0.28	clear	1.2
HSTNW1.5/0.75RD	1.5	0.65	0.28	red	1.2
HSTNW1.5/0.75WH	1.5	0.65	0.28	white	1.2
HSTNW1.5/0.75YG	1.5	0.65	0.28	yellow/ green	1.2
HSTNW2.0/1.0BK	2.5	1.0	0.35	black	1.2
HSTNW2.0/1.0BL	2.5	1.0	0.35	blue	1.2
HSTNW2.0/1.0CL	2.5	1.0	0.35	clear	1.2
HSTNW2.0/1.0RD	2.5	1.0	0.35	red	1.2
HSTNW2.0/1.0WH	2.5	1.0	0.35	white	1.2
HSTNW2.0/1.0YG	2.5	1.0	0.35	yellow/ green	1.2
HSTNW2.5/1.25BK	3.0	1.5	0.40	black	1.2
HSTNW2.5/1.25BL	3.0	1.5	0.40	blue	1.2
HSTNW2.5/1.25CL	3.0	1.5	0.40	clear	1.2
HSTNW2.5/1.25RD	3.0	1.5	0.40	red	1.2
HSTNW2.5/1.25WH	3.0	1.5	0.40	white	1.2
HSTNW2.5/1.25YG	3.0	1.5	0.40	yellow/ green	1.2
HSTNW5.0/2.5BK	5.5	2.5	0.55	black	1.2
HSTNW5.0/2.5BL	5.5	2.5	0.55	blue	1.2
HSTNW5.0/2.5CL	5.5	2.5	0.55	clear	1.2
HSTNW5.0/2.5RD	5.5	2.5	0.55	red	1.2
HSTNW5.0/2.5WH	5.5	2.5	0.55	white	1.2
HSTNW5.0/2.5YG	5.5	2.5	0.55	yellow/ green	1.2
HSTNW7.0/3.55BK	7.5	3.5	0.55	black	1.2
HSTNW7.0/3.55BL	7.5	3.5	0.55	blue	1.2
HSTNW7.0/3.55CL	7.5	3.5	0.55	clear	1.2
HSTNW7.0/3.55RD	7.5	3.5	0.55	red	1.2
HSTNW7.0/3.55WH	7.5	3.5	0.55	white	1.2
HSTNW7.0/3.55YG	7.5	3.5	0.55	yellow/ green	1.2
HSTNW10.0/5.0BK	10.5	5.0	0.60	black	1.2
HSTNW10.0/5.0BL	10.5	5.0	0.60	blue	1.2
HSTNW10.0/5.0CL	10.5	5.0	0.60	clear	1.2
HSTNW10.0/5.0RD	10.5	5.0	0.60	red	1.2
HSTNW10.0/5.0WH	10.5	5.0	0.60	white	1.2
HSTNW10.0/5.0YG	10.5	5.0	0.60	yellow/ green	1.2
HSTNW13/6.5BK	13.5	6.5	0.65	black	1.2
HSTNW13/6.5BL	13.5	6.5	0.65	blue	1.2
HSTNW13/6.5CL	13.5	6.5	0.65	clear	1.2
HSTNW13/6.5RD	13.5	6.5	0.65	red	1.2
HSTNW13/6.5WH	13.5	6.5	0.65	white	1.2
HSTNW13/6.5YG	13.5	6.5	0.65	yellow/ green	1.2
HSTNW18/9BK	19.0	9.0	0.80	black	1.2
HSTNW18/9BL	19.0	9.0	0.80	blue	1.2
HSTNW18/9CL	19.0	9.0	0.80	clear	1.2
HSTNW18/9RD	19.0	9.0	0.80	red	1.2
HSTNW18/9WH	19.0	9.0	0.80	white	1.2
HSTNW18/9YG	19.0	9.0	0.80	yellow/ green	1.2
HSTNW22/11BK	24.0	11.0	0.80	black	1.2
HSTNW22/11BL	24.0	11.0	0.80	blue	1.2
HSTNW22/11CL	24.0	11.0	0.80	clear	1.2

PART NUMBER	DIAMETER AS SUPPLIED (mm)	FULLY RECOVERED DIAMETER AFTER HEATING (mm)	FULLY RECOVERED WALL THICKNESS (mm)	COLOUR	LENGTH (M)
HSTNW22/11RD	24.0	11.0	0.80	red	1.2
HSTNW22/11WH	24.0	11.0	0.80	white	1.2
HSTNW22/11YG	24.0	11.0	0.80	yellow/ green	1.2
HSTNW25/12BK	25.0	12.0	0.80	black	1.2
HSTNW25/12BL	25.0	12.0	0.80	blue	1.2
HSTNW25/12CL	25.0	12.0	0.80	clear	1.2
HSTNW25/12RD	25.0	12.0	0.80	red	1.2
HSTNW25/12WH	25.0	12.0	0.80	white	1.2
HSTNW25/12YG	25.0	12.0	0.80	yellow/ green	1.2
HSTNW40/20BK	41.5	20.0	1.00	black	1.2
HSTNW40/20BL	41.5	20.0	1.00	blue	1.2
HSTNW40/20CL	41.5	20.0	1.00	clear	1.2
HSTNW40/20RD	41.5	20.0	1.00	red	1.2
HSTNW40/20WH	41.5	20.0	1.00	white	1.2
HSTNW40/20YG	41.5	20.0	1.00	yellow/ green	1.2
HSTNW50/25BK	51.0	25.0	1.00	black	1.2
HSTNW50/25BL	51.0	25.0	1.00	blue	1.2
HSTNW50/25CL	51.0	25.0	1.00	clear	1.2
HSTNW50/25RD	51.0	25.0	1.00	red	1.2
HSTNW50/25WH	51.0	25.0	1.00	white	1.2
HSTNW50/25YG	51.0	25.0	1.00	yellow/ green	1.2
HSTNW70/35BK	70.0	36.0	1.30	black	1.2
HSTNW70/35BL	70.0	36.0	1.30	blue	1.2
HSTNW70/35CL	70.0	36.0	1.30	clear	1.2
HSTNW70/35RD	70.0	36.0	1.30	red	1.2
HSTNW70/35WH	70.0	36.0	1.30	white	1.2
HSTNW70/35YG	70.0	36.0	1.30	yellow/ green	1.2
HSTNW100/50BK	100.0	51.0	1.46	black	1.2
HSTNW100/50BL	100.0	51.0	1.46	blue	1.2
HSTNW100/50CL	100.0	51.0	1.46	clear	1.2
HSTNW100/50RD	100.0	51.0	1.46	red	1.2
HSTNW100/50WH	100.0	51.0	1.46	white	1.2
HSTNW100/50YG	100.0	51.0	1.46	yellow/ green	1.2
HSTNW120/60BK	120.0	61.0	1.56	black	1.2
HSTNW120/60BL	120.0	61.0	1.56	blue	1.2
HSTNW120/60CL	120.0	61.0	1.56	clear	1.2
HSTNW120/60RD	120.0	61.0	1.56	red	1.2
HSTNW120/60WH	120.0	61.0	1.56	white	1.2
HSTNW120/60YG	120.0	61.0	1.56	yellow/ green	1.2
HSTNW150/75BK	150.0	76.0	1.56	black	1.2
HSTNW150/75BL	150.0	76.0	1.56	blue	1.2
HSTNW150/75CL	150.0	76.0	1.56	clear	1.2
HSTNW150/75RD	150.0	76.0	1.56	red	1.2
HSTNW150/75WH	150.0	76.0	1.56	white	1.2
HSTNW150/75YG	150.0	76.0	1.56	yellow/ green	1.2
HSTNW200/100BK	200.0	100.0	1.56	black	1.2
HSTNW200/100BL	200.0	100.0	1.56	blue	1.2
HSTNW200/100CL	200.0	100.0	1.56	clear	1.2
HSTNW200/100RD	200.0	100.0	1.56	red	1.2
HSTNW200/100WH	200.0	100.0	1.56	white	1.2
HSTNW200/100YG	200.0	100.0	1.56	yellow/ green	1.2

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.2 HEATSHRINK TUBING RANGE MEDIUM WALL - ALCO



FEATURES:

Purpose	Heatshrink is ideally used for heavy duty and general purpose use i.e. electrical insulation, termination, splicing, bundling, cable protection and strain relief
Applications	Suitable for waterproof cable joints and terminations
Features	Low shrink temperature and flame retardant Flexible and UV resistant Glue lined and waterproof for greater mechanical strength
Shrink Temperature	Above 110°C
Shrink Ratio	Radial Shrinking Ratio: > 50% Longitudinal Shrinking Ratio: < 10%
Tensile Strength	15.5 MPa
Elongation at Break	580%
Material	
Operating Temperature	-55°C to +125°C

TECHNICAL DATA:

PROPERTY	TEST METHOD	TYPICAL DATA
Tensile strength(MPa)	ASTM D2671	≥14
Elongation (%)	ASTM D2671	≥400
Density (g/cm³)	ASTM D792	1.20
Longitudinal change (%)	UL 224	≤ ± 10
Elongation after aging (%)	UL224 158°C X 168hrs	≥300
Heat shock	UL224 225°C X 4hrs	No cracking
Dielectric strength (kV/mm)	IEC243	≥20
Volume resistivity (Ω.cm)	IEC93	≥1014
Water absorption (%)	ASTM-D570	≤0.15%
HOT MELTING PROPERTY		
PROPERTY	TEST METHOD	TYPICAL DATA
Water absorption	ASTM- D570	≤0.2%
Softening point	ASTM- E8	95°C
Peel strength (PE)	ASTM- D1000	120N/25mm
Peel strength (AL)	ASTM- D1000	80N/25mm

SPECIFICATIONS:

PART NUMBER	DIAMETER AS SUPPLIED (mm)	FULLY RECOVERED DIAMETER AFTER HEATING (mm)	FULLY RECOVERED WALL THICKNESS (mm)	COLOUR	LENGTH (M)
HSMWGL10/3L	10.0	3.0	1.75	black	1.2
HSMWGL16/5L	16.0	5.0	1.90	black	1.2
HSMWGL25/8L	25.0	8.0	2.45	black	1.2
HSMWGL35/12L	35.0	10.0	2.70	black	1.2
HSMWGL50/16L	52.0	16.0	2.80	black	1.2
HSMWGL85/25L	85.0	25.0	3.30	black	1.2
HSMWGL115/34L	115.0	34.0	3.70	black	1.2
HSMWGL140/42L	140.0	42.0	3.70	black	1.2

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.3 HEATSHRINK TUBING RANGE THICK WALL - ALCO



FEATURES:

Purpose	Heatshrink is ideally used for heavy duty and general purpose use i.e. electrical insulation, termination, splicing, bundling, cable protection and strain relief
Applications	Suitable for insulation colour-coding and cable terminations
Features	Low shrink temperature and flame retardant Flexible and UV resistant Glue lined and waterproof for greater mechanical strength
Shrink Temperature	Above 110°C
Shrink Ratio	Radial Shrinking Ratio: > 50%
Longitudinal Shrinking Ratio	< 10%
Tensile Strength	15.5 MPa
Elongation at Break	580%
Material	
Operating Temperature	-55°C to +125°C

TECHNICAL DATA:

PROPERTY	TEST METHOD	TYPICAL DATA
Tensile strength (MPa)	ASTM D2671	≥14
Elongation (%)	ASTM D2671	≥400
Density (g/cm³)	ASTM D792	1.20
Longitudinal change (%)	UL 224	≤ ± 10
Elongation after aging (%)	UL224 158°C X 168hrs	≥300
Heat shock	UL224 225°C X 4hrs	No cracking
Dielectric strength (kV/mm)	IEC243	≥20
Volume resistivity (Ω.cm)	IEC93	≥1014
Water absorption (%)	ASTM-D570	≤0.15%
HOT MELTING PROPERTY		
PROPERTY	TEST METHOD	TYPICAL DATA
Water absorption	ASTM- D570	≤0.2%
Softening point	ASTM- E8	95°C
Peel strength (PE)	ASTM- D1000	120N/25mm
Peel strength (AL)	ASTM- D1000	80N/25mm

SPECIFICATIONS:

PART NUMBER	DIAMETER AS SUPPLIED (mm)	FULLY RECOVERED DIAMETER AFTER HEATING (mm)	FULLY RECOVERED WALL THICKNESS (mm)	COLOUR	LENGTH (M)
HSTKWGL13/4	13.0	4.0	2.75	black	1.2
HSTKWGL19/6	20.0	6.0	2.90	black	1.2
HSTKWGL28/9	28.0	9.0	2.90	black	1.2
HSTKWGL38/12	38.0	12.0	4.00	black	1.2
HSTKWGL51/16	51.0	16.0	5.00	black	1.2
HSTKWGL68/22	70.0	21.0	5.00	black	1.2
HSTKWGL90/30	105.0	30.0	5.10	black	1.2
HSTKWGL130/36	140.0	42.0	5.10	black	1.2

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.4 HEATSHRINK TUBING RANGE GLUE LINED THIN WALL - ALCO



FEATURES:

- Low shrink temperature and flame retardant
- Flexible and UV resistant
- RoHS Compliant
- UV Stable glue lining
- High reduction (3:1) tubing
- Black colour only

TECHNICAL DATA:

Purpose	Heatshrink is ideally used for heavy duty and general purpose use i.e. electrical insulation, termination, splicing, bundling, cable protection and strain relief. Thin wall glue lined heatshrink will also make a waterproof seal between cable sheath and heatshrink tube.
Applications	Suitable for waterproof cable joints and terminations. Diameters from 1 to 125mm.
Shrink Temperature	≥ 95°C
Shrink Ratio	Radial Shrinking Ratio: > 3:1 Longitudinal Shrinking Ratio: < 10%
Tensile Strength	≥12 MPa
Elongation at Break	≥300%
Material	Polyolefin
Operating Temperature	-45°C-125°C

PROPERTY		TEST METHOD	STANDARD
Physical	Tensile strength (Mpa)	ASTM D2671	≥10.4
	Elongation (%)	ASTM D2671	≥200
	Tensile strength after aging (Mpa)	UL 224 158°C*168hrs	≥7.3
	Elongation after aging (%)	UL 224 158°C*168hrs	≥100
Electrical	Dielectric strength(kV/mm)	IEC 243	≥15
	Volume resistivity (Ω.cm)	IEC 93	≥1*10 ¹⁴
Adhesive	Water Absorption	ASTM D570	≤ 0.2%
	Softening Point	ASTM C28	95 °C
	Peel Strength	ASTM D1000	120N/25mm

SPECIFICATIONS:

PART NUMBER	MIN INSIDE DIAMETER AS SUPPLIED (mm)	FULLY RECOVERED AFTER HEATING (MM)			APPLICATION RANGE (mm)	SPOOL LENGTH (M)
		MAX I.D	TOTAL W.T	ADHESIVE THICKNESS		
HSTNWGL3/1	3.2	1.00	0.95	0.35	1.0 - 3.1	200
HSTNWGL5/1.6	4.8	1.60	1.10	0.40	1.8 - 4.6	100
HSTNWGL6/2.2	6.4	2.20	1.20	0.45	2.4 - 6.4	100
HSTNWGL9/3.2	9.5	3.20	1.45	0.50	3.4 - 9.4	61
HSTNWGL12/4.2	12.7	4.20	1.70	0.50	4.4 - 12.5	36.6
HSTNWGL19/6	19.1	6.30	2.00	0.55	6.5 - 18.8	30.5
HSTNWGL25/9	25.4	8.50	2.10	0.55	8.8 - 25	30.5
HSTNWGL39/14	39.0	13.50	2.40	0.60	14.0 - 39	18.3
HSTNWGL50/17	50.0	17.00	2.70	0.70	17.5 - 49	12.2
HSTNWGL75/25	75	25.00	3.20	1.00	26 - 72	1.22m Length
HSTNWGL125/42	125	42.00	3.50	1.20	44 - 125	1.22m Length

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.4 HEATSHRINK END CAP - ALCO



FEATURES:

- Seals cable ends during installation or storage.
- Made from heat shrinkable cross-linked polyolefin
- Hot melt glue lined which bonds cap to the cable jacket
- Excellent UV, chemical and corrosion resistance
- Quick reliable seal

TECHNICAL DATA:

Property	As supplied (mm)	After recovery (mm)
Operating temperature	IEC 216	-55°-100°
Tensile strength	ASTM-D-2671	≥13MPa
Elongation at break	ASTM-D-2671	≥300%
Tensile strength after thermal aging	ASTM-D-2671(120°/168hrs)	≥11MPa
Elongation at break after thermal aging	ASTM-D-2671(120°/168hrs)	≤16.5 (≥230%)
Longitudinal shrinkage	UL 224	≤10%
Eccentricity	ASTM-D-2671	<30%
Water absorption	ISO 62	≤0.1%
Volume resistance	IEC 93	≥1×10 ¹⁴ Ω.cm
Dielectric strength	IEC243	≥20kV/mm
Resistance to stress cracking	ASTM-D-1693 (50°)	No cracking
Resistance to fungus and decay	ISO 846	Pass
Minimum shrink temperature	—	100°
Minimum fully recovered temperature	—	130

SPECIFICATIONS:

PART NUMBER	MAIN DIAMETER, D		FULL LENGTH (MM), H		WALL THICKNESS
	AS SUPPLIED (mm)	AFTER RECOVERY (mm)	AS SUPPLIED (mm)	AFTER RECOVERY (mm)	
HSEC11/5	≥11	≤5.5	≥22	0.7±0.1	≥1.1
HSEC16/7	≥16	≤7.5	≥70	1.3±0.1	≥2.2
HSEC20/8	≥20	≤7.5	≥70	1.5±0.1	≥2.2
HSEC25/10	≥25	≤10.5	≥80	1.5±0.1	≥2.3
HSEC32/16	≥32	≤16.5	≥90	1.5±0.1	≥2.5
HSEC40/15	≥40	≤15	≥90	1.5±0.1	≥2.5
HSEC55/26	≥50	≤26	≥115	2.0±0.1	≥2.8
HSEC75/37	≥70	≤30	≥125	1.8±0.1	≥3.2
HSEC100/46	≥100	≤46	≥140	1.8±0.1	≥3.5
HSEC120/57	≥120	≤57	≥155	1.8±0.1	≥3.5
HSEC 140/60	≥140	≤60	≥180	2.0±0.1	≥4.0
HSEC250/90	≥250	≤90	≥270	2.0±0.1	≥4.0

2.1.5 HEATSHRINK GLOVES - ALCO



FEATURES:

- Provides quick and simple installation of terminations
- Provides seal on cable cores and jacket
- High tearing resistance and tensile strength
- Excellent UV, chemical and corrosion resistance
- Suitable for use with PVC, XLPE and PILC cables
- Note: Avoid local overheating during shrinking process

TECHNICAL DATA:

PROPERTY	TEST METHOD	AFTER RECOVERY (mm)	
		INSULATED BREAKOUT	OIL RESISTANT BREAKOUT
Operating temperature	IEC 216	-50°C-100°C	-20°C-100°C
Tensile strength	ASTM D 638	≥13MPa	≥12MPa
Elongation at break	ASTM D 638	≥ 300%	≥ 300%
Tensile strength after thermal aging	ASTM D 2671 (120°C/168hrs)	≥11MPa	≥10MPa
Elongation at break after thermal aging	ASTM D 2671 (120°C/168hrs)	≥230%	≥230%
Water absorption	ISO 62	≤0.1%	≤0.1%
Volume resistance	IEC 60093	≥ 1 x 10 ¹⁴ Ω.cm	≥ 1 x 10 ¹⁴ Ω.cm
Oil resistance	ASTM D 2671	-	≥10MPa
Tensile strength after dipping	70# cable oil/168hrs	-	≥10MPa
Oil resistance	ASTM D 2671	-	≥230%
Elongation at break after dipping	70# cable oil/168hrs	-	≥230%
Dielectric strength	IEC 60243	≥20kV/mm	≥20kV/mm

SPECIFICATIONS:

PART NUMBER	APPLIED TO CABLE SIZE (mm ²)	DESCRIPTION	PRE SHRINK (mm)					AFTER SHRINK (mm)			
			BODY		FINGER		TOTAL LENGTH (mm)B	BODY		FINGER	
			I.D (mm) A	BODY LENGTH (mm)	I.D (mm) C	FINGER LENGTH (mm) D		I.D (mm)	THICKNESS (mm)	I.D (mm)	THICKNESS (mm)
HSGL3W-24/16(-2#)	4-6,10-16	3 core	≥24	140±5	≥11	50±5	130±5	≤17	2.8	≤6	1.8
HSGL3W-48/22(-1#)	25-50	3 core	≥48	170±5	≥18	55±5	165±5	≤22	2.75	≤8	2
HSGL3W-60/28(0#)	70-120	3 core	≥60	175±5	≥25	60±5	170±5	≤28	2.6	≤9	2.5
HSGL3W-70/36(1#)	150-240	3 core	≥70	215±5	≥30	70±5	210±5	≤36	2.5	≤14	2.4
HSGL3W-85/45(2#)	300-400	3 core	≥85	225±5	≥39	80±5	220±5	≤45	2.5	≤16	2.72
HSGL4W-38/10 (0#)	4-6,10-16	4 core	≥38	75±5	≥10	50±5	130±5	≤18	2.25	≤6	1.6
HSGL4W-50/24 (1#)	25-50	4 core	≥50	85±5	≥16	55±5	135±5	≤24	3	≤7	2
HSGL4W-70/32 (2#)	70-120	4 core	≥70	100±5	≥23	60±5	180±5	≤32	3	≤9	2.4
HSGL4W-80/44 (3#)	150-240	4 core	≥80	110±5	≥30	60±5	210±5	≤44	3.3	≤13	2.8
HSGL4W-90/44 (4#)	300-400	4 core	≥90	110±5	≥35	60±5	210±5	≤44	3.3	≤13	2.8
HSGL4W-110/51(5#)	500-630	4 core	≥110	170±5	≥53	55±5	210±5	≤44	4.5	≤13	3.5
HSGL5W-57/29(1#)	25-50	5 core	≥55	100±5	≥15	60±5	170±5	≤29	3	≤7	2.2
HSGL5W-70/38(2#)	70-120	5 core	≥70	105±5	≥23	70±5	170±5	≤38	3	≤10	2.5

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.6 HEATSHRINK REPAIR SLEEVES - ALCO



FEATURES:

- Suitable for quick sealing and cable repair
- Medium wall
- Silicone-free and UV-resistant
- Non-corrosive and suitable for quick sealing and cable repairs
- Halogen-free
- Excellent chemical and electrical properties
- Flame retardant, resistant to cold flow
- High tensile strength
- Maximum internal pressure 1.5 bar
- With hot melting adhesive and stainless steel channel
- Material: Cross-linked polyolefin, free of lead and cadmium
- Colour: Black

TECHNICAL DATA:

Physical properties	Value Test	Method
Density	~ 1.05 g/cm ³	DIN 53 479
Hardness	< 50 Shore D	DIN 53 505
Elongation at break	300%	EN ISO 527-2
Tensile strength	13 MPa	EN ISO 527-2
Longitudinal shrinkage	< 10%	CP-PM 1013*
Shrink ratio	> 3:1	–
Thermal properties		
Operating temperature range	–400°C to +1200°C	DIN 53 446
Shrinking temperature	> 1250°C CP-PM-1004*	
Burning behaviour	Non self-extinguishing	ASTM-D 876
Flexibility at low temperatures	–400°C	ASTM 2671 C
Thermal ageing (168hrs at 1500C)	350%	EN ISO 527-2
Elongation at break	14 MPa	
Tensile strength		
Electrical properties		
Dielectric strength	12 kV/mm	DIN VDE 0303 P.2
Volume resistivity	10 ¹⁴ x cm	DIN VDE 0303 P.3
Dielectric constant	~ 5	DIN VDE 0303 P.3
Chemical properties		
Corrosion	None	ASTM 2671
Water absorption	< 0.15%	DIN 53 495 1L
Resistance to fungus and decay	Ratio 1	ISO 846 Meth. A

SPECIFICATIONS:

PART NUMBER	LENGTH (mm)	INTERNAL DIAMETER (mm)		APPLICATION (mm)		RECOVERED WALL THICKNESS (mm)
		BEFORE SHRINKAGE	AFTER SHRINKAGE	MIN SHRINKAGE	MAX SHRINKAGE	
HSRS28-10	500	30	12	13	37	3.9±0.2
HSRS43-12	500	40	18	13	40	3.9±0.2
HSRS72-18	500	50	18	16	50	3.9±0.2
HSRS93-26	500	100	35	33	100	3.9±0.2
HSRS115-30	500	120	40	40	120	4.1±0.2
HSRS125-32	500	150	50	50	150	4.1±0.2
HSRS150-50	500	195	70	52	195	4.1±0.2

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.7 GENERAL PURPOSE HEATSHRINK KIT - ALCO



PART NO: ALCHSKIT1

FEATURES:

- Environmentally friendly, flexible, flame-retardant, heat Shrink tubing
- Complies to UL224
- Dielectric Strength: 15kV/mm
- Operating Temp: -45°C to + 125°C
- Minimum Shrink Temp: 90°C
- Shrink Ratio: 2:1
- RoHS Compliant

CONTENTS OF KIT:

PART NUMBER	SIZE (mm)	COLOUR	LENGTH (mm)	QTY
HSTNW2.5/1.25BK	2.5/1.25	Black	50	15
HSTNW2.5/1.25BL	2.5/1.25	Blue	50	15
HSTNW2.5/1.25RD	2.5/1.25	Red	50	15
HSTNW2.5/1.25WH	2.5/1.25	White	50	15
HSTNW2.5/1.25Y	2.5/1.25	Yellow	50	15
HSTNW5.0/2.5BK	5.0/2.5	Black	50	6
HSTNW5.0/2.5BL	5.0/2.5	Blue	50	6
HSTNW5.0/2.5RD	5.0/2.5	Red	50	6
HSTNW5.0/2.5WH	5.0/2.5	White	50	6
HSTNW5.0/2.5Y	5.0/2.5	Yellow	50	6
HSTNW10.0/5.0BK	10.0/5.0	Black	50	10
HSTNW10.0/5.0BL	10.0/5.0	Blue	50	10
HSTNW10.0/5.0RD	10.0/5.0	Red	50	10
HSTNW10.0/5.0WH	10.0/5.0	White	50	10
HSTNW10.0/5.0Y	10.0/5.0	Yellow	50	10
HSTNW13/6.5BK	13/6.5	Black	70	5
HSTNW13/6.5BL	13/6.5	Blue	70	5
HSTNW13/6.5RD	13/6.5	Red	70	5
HSTNW13/6.5WH	13/6.5	White	70	5
HSTNW13/6.5Y	13/6.5	Yellow	70	5
TOTAL QTY	180			

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.8 MULTI PURPOSE HEATSHRINK KIT - ALCO



PART NO: ALCHSKIT2

FEATURES:

- Environmentally friendly, flexible, flame-retardant, heat Shrink tubing
- Complies to UL224
- Dielectric Strength: 15kV/mm
- Operating Temp: -45°C to + 125°C
- Minimum Shrink Temp: 90°C
- Shrink Ratio: 2:1
- RoHS Compliant

CONTENTS OF KIT:

PART NUMBER	SIZE (mm)	COLOUR	LENGTH (mm)	QTY
HSTNW2.5/1.25BK	2.5/1.25	Black	50	100
HSTNW5.0/2.5BL	5.0/2.5	Blue	50	50
HSTNW5.0/2.5CL	5.0/2.5	Clear	50	50
HSTNW5.0/2.5RD	5.0/2.5	Red	50	50
HSTNW5.0/2.5Y	5.0/2.5	Yellow	50	50
HSTNW5.0/2.5YG	5.0/2.5	Yellow/Green	50	50
HSTNW5.0/2.5BK	5.0/2.5	Black	50	50
HSTNW7.0/3.55BK	7.0/3.55	Black	50	30
HSTNW7.0/3.55RD	7.0/3.55	Red	50	30
HSTNW7.0/3.55WH	7.0/3.55	White	50	30
HSTNW10.0/5.0BK	10.0/5.0	Black	85	10
HSTNW10.0/5.0CL	10.0/5.0	Clear	85	10
HSTNW13/6.5BK	13/6.5	Black	85	20
HSTNW13/6.5CL	13/6.5	Clear	85	10
HSTNW18/9BL	18/9	Blue	85	5
HSTNW18/9CL	18/9	Clear	85	5
HSTNW18/9RD	18/9	Red	85	5
HSTNW18/9Y	18/9	Yellow	85	5
HSTNW18/9BK	18/9	Black	100	10
HSTNW13/6.5BK	13/6.5	Black	100	10
HSTNW25/12.5BK	25/12.5	Black	250	5
HSMWGL10/3L	10	Black	250	4
HSMWGL25/8L	25	Black	250	4
TOTAL QTY	593			

2.1 ALCO HEATSHRINK AND ACCESSORIES

2.1.9 HEAT GUN



PART NO: WATHGK

FEATURES:

- 2000W powered heat gun with six piece accessory set
- 2 heat settings: 350°C and 550°C
- 240V, 50Hz input power
- Hanging ring
- Conveniently stored in plastic carry case
- Kit includes heat gun, cone nozzle, glass protector nozzle, reflector nozzle, fish tail nozzle, handle and scraping head
- Weight: 1720g (including case)
- Heat settings: 350°C and 550°C

2.1.10 MICRO GAS TORCH



PART NO: WATRK2121

FEATURES:

- Ideal for situations where a high volume of portable heat source is required for soldering, brazing and heatshrinking
- Suitable for automotive, plumbing and working with plastic
- Butane gas powered with safety lock and instant electronic ignition
- Refillable cordless and portable
- Adjustable flame control
- Heating temperature: 1300°C
- Dimensions: 186mm (L) x 115mm (W) x 45mm diameter
- Working Time: 60mins approx on full tank

2.2 CABLE GLANDS

2.2.1 NYLON CABLE GLAND - UNARMoured CABLE - ALCO



Applications	For indoor or outdoor use
Function	Provides seal on cable sheath
Features	Halogen Free UV protected Seals available to suit 1.5, 2.5 & 4.0mm twin and earth TPS cable (ALCMG20 and ALCMG25 only)
Approvals	IP68 (50m)
Range	ALCMG12-ALCMG75
Material	Polyamide
Seal	Neoprene
Locknut	Supplied as standard
Temperature Range	-30°C to +80°C (up to 150°C intermittent)

SPECIFICATIONS:

PART NUMBER	CABLE SEALING RANGE (mm)		THREAD DIAMETER x LENGTH	DIAMETER ACROSS FLATS	ORANGE SHROUD*		BOX QTY
	MIN	MAX			PVC	SILICON	
ALCMG12	3.0	6.5	M12 x 8	15	—	—	40
ALCMG16	5.0	10.0	M16 x 15	22	ALCSG1	ALCSG1S	25
ALCMG20	10.0	14.0	M20 x 15	27	ALCSG2	ALCSG2S	25
ALCMG25	11.0	17.0	M25 x 15	29	—	ALCSG2LS	15
ALCMG32	18.0	25.0	M32 x 15	42	—	ALCSG3L	5
ALCMG40	22.0	32.0	M40 x 18	53	ALCSG5	ALCSG5S	4
ALCMG50	30.0	38.0	M50 x 18	60	ALCSG5	ALCSG5S	2
ALCMG63	34.0	44.0	M63 x 18	65	ALCSG6	ALCSG6S	2
ALCMG75	48	55	M75 x 25	80	-	ALCSG6L	5

*For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread pitch 1.5mm unless otherwise specified. See product and/or website for fitting instructions. **No suitable shroud available, use HSTNW18/9 size heatshrink instead NPT and PG fittings available upon request, lead times apply.

All dimensions in mm unless otherwise specified.

2.2 CABLE GLANDS

2.2.2 WEATHERPROOF METAL CABLE GLANDS - UNARMoured CABLE - UA SERIES - ALCO



Applications	For indoor or outdoor use
Function	Clamps and seals on outer cable surface
Protection Types	Anchorage CAT B Impact CAT 8 IP66/68 30m
Standards	IEC62444
Range	ALCUA16Z-ALCUA50
Material	Brass, Nickel Plated
Locknut	Supplied as standard
Seal	TPE
Temperature Range	-20°C to +125°C

SPECIFICATIONS:

PART NUMBER	THREAD DIAMETER x LENGTH	PITCH	GLAND DIAMETER		GLAND LENGTH MAX	PROJECTED LENGTH MAX	CABLE DETAILS		ORANGE SHROUD*		BOX QTY
			ACROSS FLATS	ACROSS POINTS			OA MIN	OA MAX	PVC	SILICON	
ALCUA16Z	M16 x 10	1.5	22	24	29.0	19.0	0.5	7.0	-	ALCSG0S	20
ALCUA20Z	M20 x 10	1.5	24	26.5	29.0	19.0	0.5	7.0	-	ALCSG0S	20
ALCUA16	M16 x 10	1.5	24	26.5	31.0	21.0	5.0	12.0	ALCSG1	ALCSG1S	20
ALCUA20A	M20 x 10	1.5	24	26.5	31.0	21.0	5.0	12.0	ALCSG1	ALCSG1S	20
ALCUA20	M20 x 10	1.5	27	30	32.0	22.0	10.5	15.5	ALCSG2	ALCSG2S	20
ALCUA25	M25 x 10	1.5	35	35	31.0	21.0	14.5	20.5	ALCSG2L	ALCSG2LS	15
ALCUA32	M32 x 12	1.5	41	45	36.0	24.0	19.0	27.0	ALCSG3	ALCSG3S	10
ALCUA40	M40 x 12	1.5	50	56	38.0	26.0	26.0	35.0	ALCSG4	ALCSG4S	8
ALCUA50	M40 x 12	1.5	65	74	50.0	35.0	33.0	45.0	ALCSG6	ALCSG6S	5

* For Black Shroud add 'B' to part number: e.g. ALCSG3SB. Note: Mounting thread is metric with pitch 1.5mm, unless otherwise specified. Spare seals also available (lead time and MOQ applies). See website for fitting instructions. # All dimensions in mm unless otherwise specified.

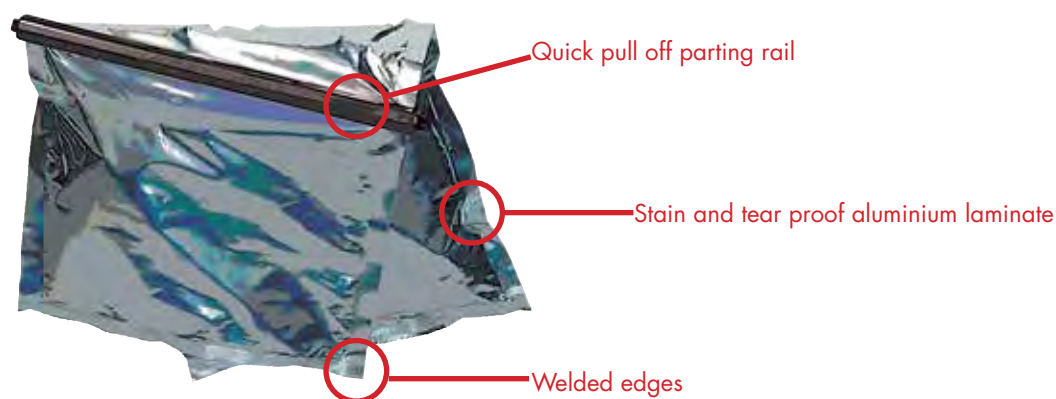
2.3 CAST RESIN

2.3.1 OVERVIEW



Alco's cast resin is ideal for single or multi-core cable networks. We offer a number of resin systems such as straight through cable joints, branch off joints and two part resin packs. Resin joints can be used in applications where cables are buried directly in the ground, submerged in water or under maintenance. The standard moulds used are made from thermoplastic materials that provide excellent mechanical stability and high resistance to water and termites. The moulds are transparent allowing you to see the cable connection during casting. All resin joints comply with VDE standards and are watertight, ideal for water-submerged applications. No other insulation of the cable joint is necessary (e.g. heatshrink, tapes etc.). The cast resin is all that is required. The resin is supplied in a two-chamber mixing bag that allows it to be poured easily after it is mixed. The bags are made from a three-layer aluminium plastic laminate material. One of the key features of the mixing bag is the quick pull off parting rail which, when removed, allows the hardener and resin to be mixed in the one bag, eliminating external dirt or foreign materials. After pouring, the bag can be disposed of safely in any household rubbish bin.

PRACTICAL TWO CHAMBER MIXING BAG



**PART NO: ALCAMX-C265****FEATURES:**

- Quick installation – no pre-mixing required
- Mixing and injecting is done in one step
- Safe and easy installation procedure
- Practical and clean resin system for filling boxes and joints
- Re-closable cartridge for later use of remaining resin

ACCESSORIES:

PART NUMBER	DESCRIPTION
ALCAMX-CSM	Static Mixer
WATCGUN	Caulking Gun



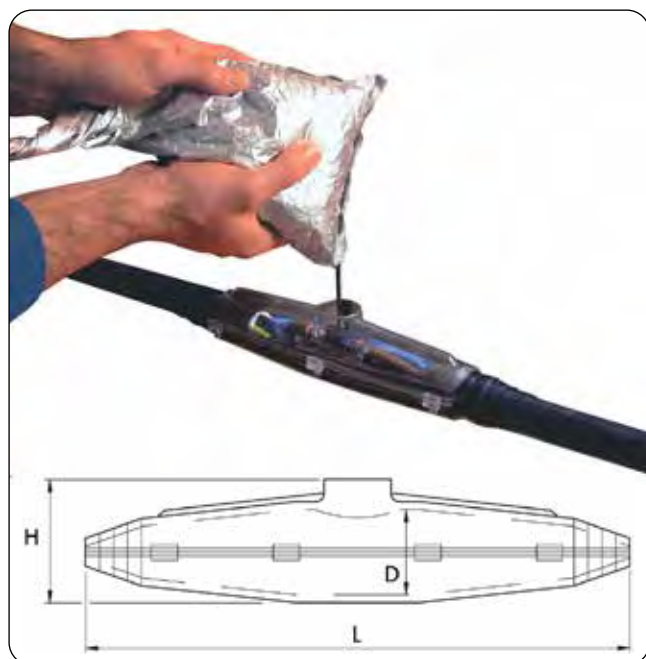
Quick and easy filling with the AMX Resin injection system.



Sturdy hand press tool with a precise static mixer.

2.3 CAST RESIN

2.3.3 CAST RESIN JOINTS TYPE M (STRAIGHT THROUGH JOINT)



FEATURES:

Voltage Level	U ₀ /U (Um) 0.6/1 (1.2) kV
Applications	Indoor Underground Outdoor Cable trays Water
Product Supplied with	Transparent mould Lid and spacer plate Sealing tape Gloves Illustrated easy-to-follow mounting instructions Hydrolysis resistant PUR type EG cast-resin, containing the correct volume needed ready for mixing, in handy two chamber mixing bag
Features	Large insertion opening for easy casting High electrical insulation value Watertight Compact size High mechanical strength Standard resin can be stored for up to 40 months High quality, transparent and shockproof plastic mould Visible splice position before casting Extremely quick and easy to use, saving time and money Resistant to UV-radiation, alkaline earths and chemical agents Ready for immediate use
Approvals	DIN VDE 0278 part 1 and 3 DIN VDE 0278 part 393 EN 50393 as well as CENELEC HD 623 (VDE 0278, part 623)

SPECIFICATIONS:

PART NUMBER	TYPE	CABLE DIAMETER (mm)	DIMENSIONS (mm)			MAX CROSS SECTION PER CONDUCTOR (mm ²)		
			L	D	H	PLASTIC INSULATED CABLE	CONCENTRIC CONDUCTOR	ARMOURED
						4X	3X	4X
ALC124M11	M 11	7-26	190	36	50	10	10/10	–
ALC124M12	M 12	14-34	260	47	63	25	25/25	–
ALC124M13	M 13	21-43	360	55	75	50	50/50	35
ALC124M14	M 14	26-48	400	70	95	95	95/95	70
ALC124M15	M 15	35-63	530	100	120	150	150/150	120
ALC124M16	M 16	48-81	700	125	160	240	240/120	240

Suitable for connecting low-voltage plastic insulated cables or PVC, PE, VPE and EPR insulated conductors.

2.3.4 CAST RESIN JOINTS TYPE MZ (STRAIGHT THROUGH JOINT)



FEATURES:

Voltage Level	U ₀ /U (Um) 0.6/1 (1.2) kV
Applications	Indoor Underground Outdoor Cable trays Water
Product Supplied with	Transparent mould Funnel Sealing tape Gloves Illustrated easy-to-follow mounting instructions Hydrolysis resistant PUR type EG cast-resin, containing the correct volume needed ready for mixing, in handy two chamber mixing bag
Features	Large insertion opening for easy casting High electrical insulation value Watertight Compact size High mechanical strength Standard resin can be stored for up to 40 months High quality, transparent and shockproof plastic mould Visible splice position before casting Extremely quick and easy to use, saving time and money Resistant to UV-radiation, alkaline earths and chemical agents Ready for immediate use
Approvals	DIN VDE 0278 part 1 and 3 DIN VDE 0278 part 393 EN 50393 as well as CENELEC HD 623 (VDE 0278, part 623)

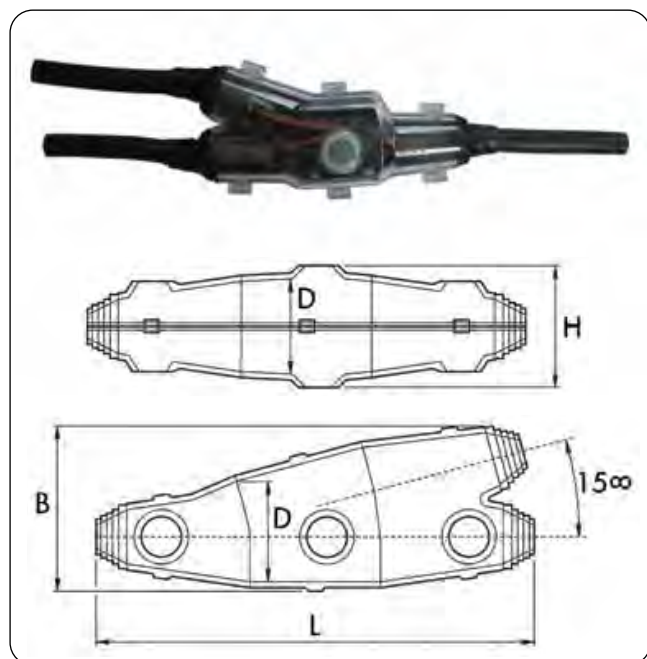
SPECIFICATIONS:

PART NUMBER	TYPE	CABLE DIAMETER (mm)	DIMENSIONS (mm)			WIRE DIAMETER (mm)				
			L	D	H	0.4	0.6	0.8	1.5	2.5
						NUMBER OF PAIRS			NUMBER OF CONDUCTORS	
ALC124MZ00	MZ00	20	180	23	35	10-15	5-10	5-10	7	5
ALC124MZ0	MZ0	25	250	35	55	15-30	10-20	10-20	15	10

Suitable for connecting low-voltage plastic insulated cables or PVC, PE, VPE and EPR insulated conductors.

2.3 CAST RESIN

2.3.5 CAST RESIN JOINTS TYPE Y (BRANCH OFF JOINT)



FEATURES:

Voltage level	U ₀ / U (U _m) 0.6/1 (1.2) kV
Applications	Indoor Outdoor Underground Water Cable trays
Product Supplied with	Sealing tape Transparent moulds Illustrated easy-to-follow mounting instructions Filling in funnel Air release funnel (except Type Y00) Gloves Closing stops Hydrolysis resistant PUR type EG cast-resin, containing the correct volume needed ready for mixing, in handy two chamber mixing bag
Features	Watertight High electrical insulation values High mechanical strength Compact size Standard resin can be stored for up to 40 months Large insertion opening for easy casting High quality transparent and shockproof plastic mould Visible splice position before casting Extremely quick and easy to use, saving time and money Resistant to UV-radiation, alkaline earths and chemical agents Ready for immediate use
Approvals	DIN VDE 0278 part 1 and 3 DIN VDE 0278 part 393 EN 50393 as well as CENELEC HD 623 (VDE 0278, part 623)

Note: For joint sizes Y3 and above, branch-off ring connectors can be used

SPECIFICATIONS:

PART NUMBER	TYPE	DIMENSIONS				CABLE DIAMETER		MAX CROSS SECTION PER CONDUCTOR (mm ²)					
		L (mm)	B (mm)	D (mm)	H (mm)	MAIN CABLE (mm)	BRANCH CABLE (mm)	PLASTIC INSULATED CABLE				CONCENTRIC CONDUCTOR	
								5X		3X		4X	
								MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE	MAIN CABLE	BRANCH CABLE
ALC133Y00	Y 00	150	75	38	50	23	23	2.5	2.5	—	—	—	—
ALC133Y0	Y 0	185	80	45	55	17	17	4	4	4	4	4/4	4/4
ALC133Y1	Y 1	240	110	60	70	22	22	6	6	10	4	10/10	10/10
ALC133Y2	Y 2	285	120	65	75	37	33	—	—	35	16	16/16	10/10
ALC133Y3	Y 3	240	145	100	110	42	37	—	—	50	35	25/25	16/16
ALC133Y4	Y 4	285	170	110	120	53	37	—	—	95	50	70/70	25/25
ALC133Y5	Y 5	382	220	140	150	62	52	—	—	240	95	150/150	95/95
ALC133Y6	Y 6	570	275	180	190	90	80	—	—	300	185	240/120	185/95

Suitable for connecting low-voltage plastic insulated cables or PVC, PE, VPE and EPR insulated conductors.

2.3.6 CAST RESIN JOINTS TYPE EG (NON-REMOVABLE TYPE)



FEATURES:

Features	Suitable for low voltage plastic or paper insulated cables rated up to 1kV, and telecommunications and signal plastic or paper insulated cables Suitable for mechanical protection and water-sealing on medium voltage cables Halogen-free, unfilled two-component polyurethane (PUR) cast-resin Specially developed for cable joints Non-toxic emission during mixing and casting Excellent hydrolytic resistance No cracks during electrical and mechanical stress Low hardening temperature and excellent flow properties Fast hardening and good adherence to all cable materials Packed in practical and easy-to-use two-chamber mixing bags
Approvals	Governmental Material Test Laboratory Darmstadt: DIN VDE 0291 KEMA, Netherlands: Report on the MAK value, which lies well below the maximum value of 0.01 ppm, allowed by law
Storage conditions	Store at optimum temperature of +15°C to +35°C for up to 40 months in original aluminium bag

SPECIFICATIONS:

PART NUMBER	TYPE	VOLUME (ML)
ALC124EG80	EG 80	80
ALC124EG143	EG 143	143
ALC124EG286	EG 286	286
ALC124EG370	EG 370	370
ALC124EG464	EG 464	464
ALC124EG730	EG 730	730
ALC124EG1000	EG 1000	1000
ALC124EG1150	EG 1150	1150
ALC124EG1500	EG 1500	1500
ALC124EG2000	EG 2000	2000

2.3 CAST RESIN

2.3.7 CAST RESIN JOINTS TYPE KG (REMOVABLE TYPE)



FEATURES:

Features	Suitable for isolating cable connections in cable branch-off cabinets, connection boxes, communication cables etc. Favourable flow properties Halogen-free, unfilled two-component polyurethane (PUR) cast-resin Resin remains transparent after hardening and can be released at any time by simply removing the resin Good adherence to all cable materials Transparent resin allows sight control of the connection after filling Low hardening temperature and excellent flow properties Non-toxic emission during mixing and casting Excellent hydrolytic resistance and no cracks during electrical stress Packed in practical and easy-to-use two-chamber mixing bags
Approvals	According to DIN VDE 0291 part 2 (draft 6/97)
Storage conditions	Store at optimum temperature of +15°C to +35°C for up to 24 months in the original aluminium bag

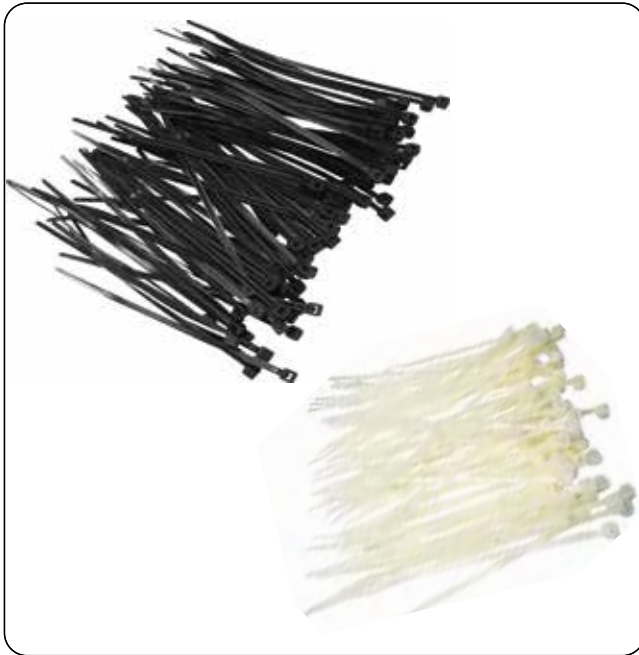
TECHNICAL DATA:

Reactive mass	
Viscosity (20°C)	1000 mPa x s
Processing time (20°C)	ca. 1hr
Maximum temperature	< 40°C
Cast-resin moulding material	
Density	1 g/cm ³
Hardness	10 Shore A
Spec. volume resistance	2 x 10 ¹⁰ Ωx cm
Tensile strength	7 N/cm ²
Elongation at break	10%
Water absorption in cold water	30 mg (24hrs at 23°C)
Water absorption in warm water	188 mg (42days at 50°C)
1 minute test voltage	at 23°C > 20 kV
	at 80°C > 10 kV

SPECIFICATIONS:

PART NUMBER	TYPE	VOLUME (ML)
ALC125KG143	KG 143	143
ALC125KG286	KG 286	286
ALC125KG730	KG 730	730

2.4.1 INDUSTRIAL NYLON CABLE TIES



FEATURES:

- Industrial cable ties designed for the mobile worker
- Designed for use wherever you need to bundle wire, cable or pipe
- Easily adjustable and made from polyamide 66
- Available in black and white
- Halogen free
- UV resistant (black only)

TECHNICAL DATA:

Material:	Polyamide 66 UL94V2
Operating temperature range:	0-85°C

SPECIFICATIONS:

PART NO	LENGTH (mm)	WIDTH (mm)	BUNDLE DIA (mm)	TENSILE STRENGTH (KG)	COLOUR	QTY PER PACK
TIE90B	100	2.5	2 - 21	8	Black	100
TIE90B/1000	100	2.5	2 - 21	8	Black	1000
TIE90W	100	2.5	2 - 21	8	White	100
TIE90W/1000	100	2.5	2 - 21	8	White	1000
TIE140B	150	3.5	2 - 37	18	Black	100
TIE140B/1000	150	3.5	2 - 37	18	Black	1000
TIE140W	150	3.5	2 - 37	18	White	100
TIE140W/1000	150	3.5	2 - 37	18	White	1000
TIE185B	199	4.6	2 - 54	22	Black	100
TIE185B/1000	199	4.6	2 - 54	22	Black	1000
TIE185W	199	4.6	2 - 54	22	White	100
TIE185W/1000	199	4.6	2 - 54	22	White	1000
TIE290B	288	4.6	2 - 81	22	Black	100
TIE290B/1000	288	4.6	2 - 81	22	Black	1000
TIE290W	288	4.6	2 - 81	22	White	100
TIE290W/1000	288	4.6	2 - 81	22	White	1000
TIE360SB	371	4.6	3 - 106	22	Black	100
TIE360SB/1000	371	4.6	3 - 106	22	Black	1000
TIE360SW	371	4.6	3 - 106	22	White	100
TIE360SW/1000	371	4.6	3 - 106	22	White	1000
TIE360FB	370	7.5	3 - 106	54	Black	100
TIE360FB/500	370	7.5	3 - 106	54	Black	500
TIE360FW	370	7.5	3 - 106	54	White	100
TIE360FW/500	370	7.5	3 - 106	54	White	500

2.4 CABLE TIES

2.4.2 NYLON CABLE TIE GUN



PART NO: WATNCTG

FEATURES:

- Helps eliminate sharp edges on cut cable ties
- Suitable for cable ties from 2.2-4.8mm in width
- Tension adjustment allows the user to adapt the tool to the size of the cable tie
- Durable metal construction

TECHNICAL DATA:

Cable Tie Material:	Nylon
Tool Material:	Metal
Max width of cable tie:	4.8mm
Length:	155mm
Weight:	300g

2.4.3 STAINLESS STEEL CABLE TIES



FEATURES:

- Stainless steel grade 316 cable ties
- Stainless steel cable tie with unique ball locking mechanism allow the cable tie to be quickly and easily installed
- Installation is much easier and quicker than traditional metal strapping systems
- Stainless steel cable ties are suitable for environmentally harsh conditions including outdoors, underground, marine oil rigs etc.
- Stainless steel cables ties superior corrosion resistance
- Strong and durable tie for bundling applications in all environmental conditions
- SS316 is especially durable against water or salt spray
- Easy installation by hand or cable tie gun, WATSSCTG
- Fire Rating - WS52W to AS/NZ:3013.

EXTRA FEATURES FOR COATED TIES:

- SS316 Stainless steel cable tie with black epoxy coating provides excellent resistance to chemical and salt spray*
- Coating provides extra protection to cables to help prevent damage*
- Coating also provides additional insulation between cable tie bundle materials*
- Low smoke Halogen free*
- UV Stabilized (coated only)*
- Fire Rating - WS52W to AS/NZ:3013.*

*Coated Cable Tie Only

SPECIFICATIONS:

PART NO	LENGTH (mm)	WIDTH (mm)	BUNDLE DIA (mm)	TENSILE STRENGTH (KG)	SURFACE TREATMENT	HEAVY DUTY	QTY
TIE201-SS	201	4.6	50	45	-	No	100
TIE201-C-SS	201	4.6	50	45	Coated	No	100
TIE201-HD-SS	201	7.9	50	113	-	Yes	100
TIE201-CHD-SS	201	7.9	50	90	Coated	Yes	100
TIE362-SS	362	4.6	102	45	-	No	100
TIE362-C-SS	362	4.6	102	45	Coated	No	100
TIE362-HD-SS	362	7.9	102	113	-	Yes	100
TIE362-CHD-SS	362	7.9	102	90	Coated	Yes	100
TIE521-SS	521	4.6	152	45	-	No	100
TIE521-HD-SS	521	7.9	152	113	-	Yes	100
TIE679-SS	679	4.6	203	45	-	No	100
TIE679-HD-SS	679	7.9	203	113	-	Yes	100
TIE838-HD-SS	838	7.9	254	113	-	Yes	50
TIE1067-HD-SS	1067	7.9	327	113	-	Yes	50
TIE1500-HD-SS	1500	7.9	464	113	-	Yes	50

2.4 CABLE TIES

2.4.4 4.6MM STAINLESS STEEL CABLE TIE GUN



PART NO: WATSSCTG

FEATURES:

- Helps eliminate sharp edges on cut cable ties
- Suitable for cable ties from 2.2-4.8mm in width
- Tension adjustment allows the user to adapt the tool to the size of the cable tie
- Durable metal construction

TECHNICAL DATA:

Cable Tie Material:	Steel
Tool Material:	Metal
Max width of cable tie:	4.6mm
Length:	210mm
Weight:	560g

7.3.5 7.9MM STAINLESS STEEL CABLE TIE GUN



PART NO: WATSSCTG2

FEATURES:

- Automatically tensions and cuts cable ties
- Suitable for stainless steel cable ties up to 7.9mm in width and 0.3mm thick
- Four tension levels
- Durable metal construction

TECHNICAL DATA:

Max width of cable tie:	7.9mm
Length:	140mm
Weight:	560g

STRENGTH LEVEL	MINIMUM TENSION STRENGTH (KG)
1	31.5
2	47.0
3	58.7
4	65.0

ACCESSORIES:

PART NO	DESCRIPTION
WATSSCTG2-RRS	Replaceable ratchet set
WATSSCTG2-RCB	Replaceable cutting set

CABLE GLANDS INDUSTRY LEADING RANGE

With the ever changing requirements for gland performance, *Alco* continues to develop their glands to meet the stringent performance requirements of today's modern industry. *Alco* cable glands comply with the requirements of IEC 60529/AS 1939.

The different types of glands include:

- Weatherproof nylon glands
- Hazardous nylon glands
- Weatherproof metal glands for unarmored cable
- Hazardous metal glands for unarmored cable
- Weatherproof metal glands for armored cable
- Hazardous metal glands for armored cable
- Barrier glands
- EMC metal glands
- Hazardous EMC metal glands



CABLE GLAND ACCESSORIES

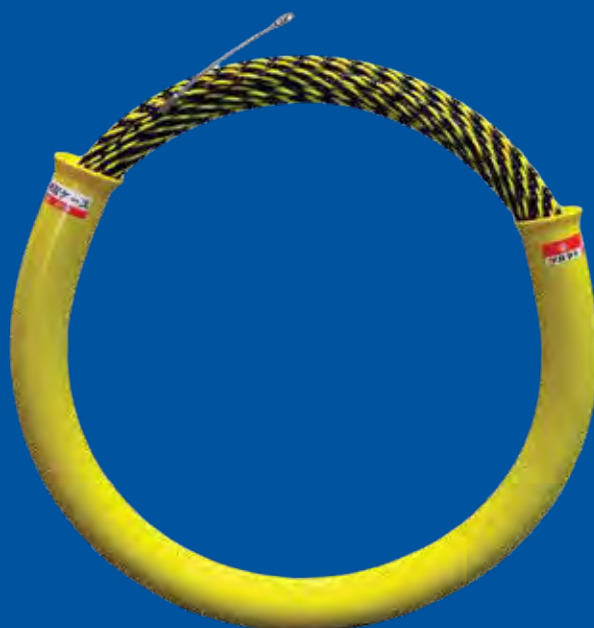


See Book 1: Cable Glands, Industrial Conduit and Junction Boxes for more information.

SECTION

3

CABLE PULLING



3.1 LUBRICANTS

3.1.1 CABLE PULLING LUBRICANT



FEATURES:

- Easy to use and clean up; non-staining
- Superior lubricity on the widest range of cable jacket and duct materials
- Low solids content, lubricates when dry on cable jacket
- Compatible with a wide range of cable jacket materials
- Superior friction reduction, lowest pulling tension
- Non-toxic, washes off with water
- Available in 950ml and 19 litre quantities

SPECIFICATIONS:

PART NUMBER	SIZE
WAT31358	950ml Bottle
WAT31358-19L	19 Litre Bucket

3.1.2 'ECONO SLIDE' CABLE PULLING LUBRICANT



FEATURES:

- Low cost and economical
- Easy to use and clean up; non-staining
- High performance, slow-drying, water based lubricant
- Compatible with a wide range of cable jacket materials
- Good friction reducing properties
- Non-toxic; washes off with water
- Available in 1 litre and 19 litre quantities

SPECIFICATIONS:

PART NUMBER	SIZE
WATECOSL	1 Litre Bottle
WATECOSL-19L	19 Litre Bucket

3.1 LUBRICANTS

3.1.3 'DYNA-BLUE' HEAVY DUTY CABLE PULLING LUBRICANT



FEATURES:

- Low cost, slow-drying and easy to apply
- Thick gel-like lubricant has great clinging properties
- Easy to handle and apply; no mess, no fuss
- Ideal for everyday use in general electrical applications
- Can be used with most common cables
- Environmentally safe and non-toxic; washes off with water
- Only available in 18 litre quantities
- Limited stock

SPECIFICATIONS:

PART NUMBER	SIZE
WATDB-640	18 Litre Bucket

3.1.4 TYPE 'F' CABLE PULLING LUBRICANT



FEATURES:

- High performance pourable liquid lubricant for pulling fibre optic and other telecommunications cable
- Superior friction reduction for lower tension pulls
- Slow-drying and leaves a lubricating film after it dries
- Compatible with a wide range of cable jacket materials
- Available in 950ml and 18 litre quantities
- Limited stock

SPECIFICATIONS:

PART NUMBER	SIZE
WATF-35	950ml Bottle
WATF-640	18 Litre Bucket

3.1.5 TYPE 'J' CABLE PULLING LUBRICANT



FEATURES:

- High performance, slow-drying, water based gel lubricant
- Provides maximum tension reduction in all types of cable pulling
- Ideal for long pulls with multiple bends and heavy cable installations
- Easy to use and clean up; non-staining
- Retains lubricity for months after use
- Can also be used with fire-retardant cables; non-combustible residue
- Available in 950ml, 3.8 litre and 18 litre quantities
- Limited stock

SPECIFICATIONS:

PART NUMBER	SIZE
WATJ-35	950ml Bottle
WATJ-128	3.8 Litre Bucket
WATJ-640	18 Litre Bucket

3.2 SNAKES AND PULL THROUGHS

3.2.1 SUPER SNAKES AND FISH TAPE



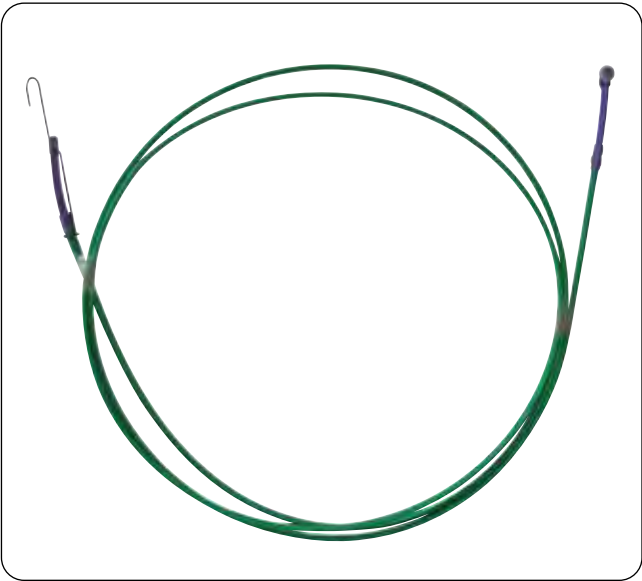
FEATURES:

- Twist, kink and cut resistant
- Triple strands of polyester with coiled spring leader
- Lightweight, non-conducting electrician's PVC snake
- High tensile strength and abrasion resistance
- Runs easily through more bends due to unique design
- Stored in convenient tubular holder (except WATMW7050L & WATMW70100L)
- WATMWC-50L tubular holder suits all 30m and 50m snakes lines.
- WATMW6530LPH is two joined 15m snakes in one convenient holder.

SPECIFICATIONS:

PART NUMBER	BRAND	LENGTH (M)	DIAMETER (mm ²)	WEIGHT (g)	SAFE WORKING LOAD (KGF)	BREAKING STRENGTH (KGF)	COLOUR
WATMW733	Wattmaster	30	5.0	720	-	150	Yellow
WATMW6030LP	Marvel	30	6.0	2000	350	650	Black
WATMW6530LPH	Wattmaster	1x 15 1x 15	1 x 5.0 1 x 6.0	1500	110	220	Blue & White Red & White
WATMW6030LPH	Wattmaster	30	6.0	2000	500	800	Black & Yellow
WATMW6050LP	Wattmaster	50	6.0	2500	500	800	Black & Yellow
WATMW7050L	Marvel	50	6.2	1500	400	750	Black & Yellow
WATMW7050LP	Marvel	50	6.2	3500	400	750	Black & Yellow
WATMW70100L	Marvel	100	6.2	3500	400	750	Black & Yellow

3.2.2 THE FERRET PULL THROUGH



FEATURES:

- New hi-tech fibreglass rod pull through
- Easy to uncoil and stays straight
- Makes wiring quick and easy
- Runs cables in wall cavities and confined ceiling spaces
- Aids in electrical wiring of data cables, antenna cables, phone wiring etc.
- Allows for one person operation
- Comes complete with tail end, leader wheel and hook

SPECIFICATIONS:

PART NUMBER	DESCRIPTION	LENGTH (M)	RECOMMENDED HOLE SIZE (MM)
ELMF-4	4m Ferret™	4	20
ELMF-8	8m Ferret™	8	20

3.2.3 THE FERRET PULL THROUGH ACCESSORIES



FEATURES:

- Aid in electrical wiring of data cables, antenna cables, phone wiring etc.
- All accessories are suitable for 4m and 8m Ferret pull through
- Cable can be tied to end of tail end to start pulling cable
- Leader wheel rolls over obstacles e.g. wall cavities
- Hook can be attached to tail end to start pulling cable

SPECIFICATIONS:

PART NUMBER	DESCRIPTION
ELMTEF	Spare Tail End for Ferret Pull Through
ELMLWF	Spare Leader Wheel for Ferret Pull Through
ELMHF*	Spare Hook for Ferret Pull Through

* Note: tail end and hook sold separately

3.2 SNAKES AND PULL THROUGHS

3.2.4 INDUSTRIAL FISH TAPES



FEATURES:

- Industrial fish tape made from fibreglass
- Can be used in ducts up to 4-inches
- Comes in lengths of 100 metres and 200 metres
- With vertical standing reel on wheels
- Special order item

SPECIFICATIONS:

PART NUMBER	LENGTH (M)	DIAMETER	WEIGHT (KG)	BREAKING STRENGTH
WATMW9100R	100	9mm ²	41	1250kgF
WATMW9200R	200	9mm ²	51	1250kgF

3.2.5 GLOW IN THE DARK PULL THROUGH



PART NO: WATGLOKING

FEATURES:

- Phosphorus based plastic line
- Glow in the dark cable pull through glows longer and brighter
- Highly visible in dark areas e.g. under roofs and floors
- Saves time and allows for quicker wire installation
- Great for one person installations
- Slotted at each end
- Recharge by exposing to an ultra violet source e.g. sunlight or fluorescent light

SPECIFICATIONS:

Length (m)	3.6
------------	-----

3.2.6 CABLE ACCESS KIT



PART NO: WATCAK

FEATURES:

- Ideal for gaining access to cables in areas where there is limited access e.g. floorboards, ceiling cavities etc.
- Polyester rods can be easily threaded together
- Lightweight and highly visible
- Sold as kit only

CONTENTS OF KIT:

DESCRIPTION	QTY
1m screw-in reinforced polyester rods	10
Hook end	1
Flexible joint with ring end	1

3.2.7 PULL THROUGH



FEATURES:

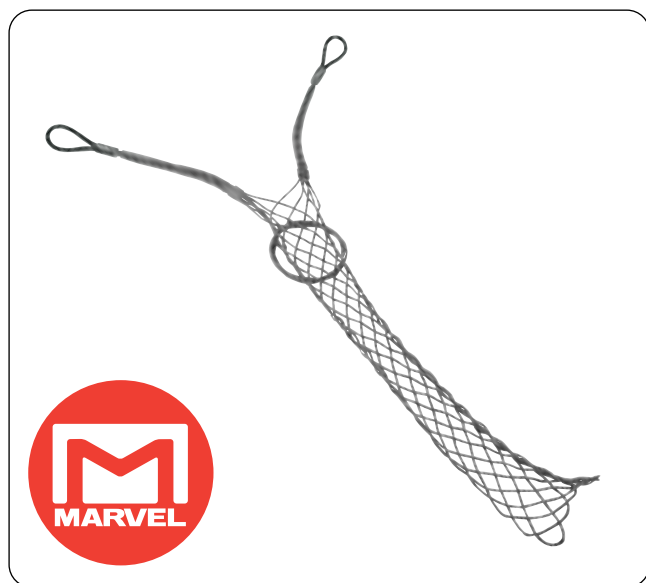
- New hi-tech fibreglass rod pull through
- Easy to uncoil and stays straight
- Makes wiring quick and easy
- Runs cables in wall cavities and confined ceiling spaces
- Aids in electrical wiring of data cables, antenna cables, phone wiring etc.
- Allows for one person operation
- Comes complete with tail end, leader wheel and hook

SPECIFICATIONS:

PART NUMBER	LENGTH (M)	RECOMMENDED HOLE SIZE (mm)
WATMWFR-4D	4	20
WATMWFR-8D	8	20

3.2 SNAKES AND PULL THROUGHS

3.2.9 CENTRE PULL CABLE STOCKING - MARVEL



FEATURES:

- Strong cable grips for pulling cables
- Flexible pulling loop passes smoothly around bends
- Made from galvanised steel wire

SPECIFICATIONS:

PART NUMBER	CABLE DIAMETER (mm)	LENGTH (mm)	SAFE WORKING LOAD (KGF)
WATMG30M	25-35	705	765
WATMG45M	35-48	870	1418
WATMG60M	49-60	975	1620
WATMG75M	60-75	1110	2030
WATMG90M	75-90	1210	2030
WATMG105M	90-110	1350	3220
WATMG135M	110-135	1450	3470

3.2.10 END PULL CABLE STOCKING - MARVEL



FEATURES:

- Strong cable grips for pulling cables
- Flexible pulling loop passes smoothly around bends
- Made from galvanised steel wire

SPECIFICATIONS:

PART NUMBER	CABLE DIAMETER (mm)	LENGTH (mm)	SAFE WORKING LOAD (KGF)
WATMG10	7-12	315	153
WATMG15	13-18	365	235
WATMG20S	18-25	465	460
WATMG30	25-35	535	714
WATMG45	35-48	715	1020
WATMG60	49-60	830	1020
WATMG75	60-75	930	1020
WATMG90	75-90	1045	1630
WATMG105	90-115	1170	2540
WATMG135	110-135	1295	3000



PART NO: WATCST

FEATURES:

- Easy to assemble and load
- No lifting large rolls as it does the hard work for you
- Single and multiple rolls can be used simultaneously
- Compact storage
- Heavy duty construction
- Universal

TECHNICAL DATA:

Load Capacity	150kg
Max. diameter cable drum	375mm
Max. width cable drum	770mm

SECTION

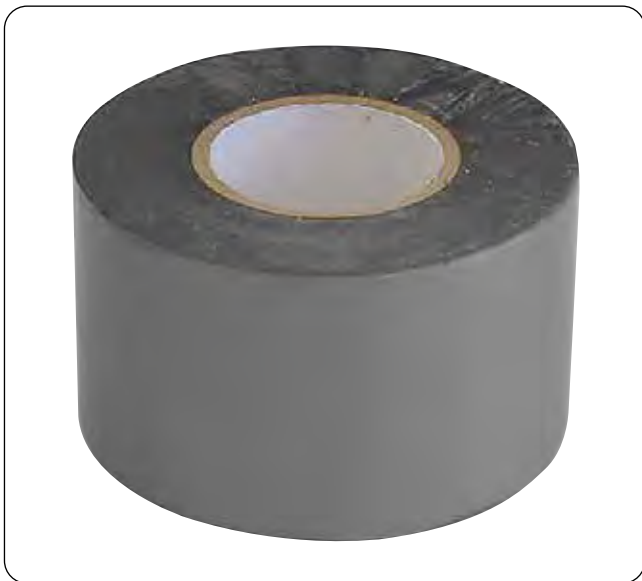
4

ELECTRICAL AND SPECIALTY TAPE



4.1 ELECTRICAL AND SPECIALTY TAPE

4.1.1 PVC DUCT TAPE



PART NO: WATPVCDT

FEATURES:

- PVC sealing and joining tape
- Coated with pressure-sensitive adhesive
- Suitable for joining flexible duct
- Moisture, corrosion and weather resistant tape
- Provides excellent protection
- Grey colour

SPECIFICATIONS:

THICKNESS (mm)	WIDTH (mm)	LENGTH (M)	WEIGHT (G)
0.13	48	30	240

4.1.2 DOUBLE SIDED TAPE



FEATURES:

- Provides excellent protection
- Multi-purpose double sided tape
- Thicker double sided adhesive for greater adhesion to irregular surfaces
- Excellent for general purpose mounting and joining applications

SPECIFICATIONS:

PART NUMBER	THICKNESS (mm)	WIDTH (mm)	LENGTH (M)	WEIGHT (G)
WATDST12	1.7	12	10	10
WATDST18	1.7	18	10	10
WATDST24	1.7	24	10	15

4.1 ELECTRICAL AND SPECIALTY TAPE

4.1.3 PVC ELECTRICAL INSULATION TAPE



FEATURES:

- For superior insulation of electrical cables
- Self-adhesive tape for bundling cables and wires
- Safe and easy to use
- Highly flexible low temperature tape
- Temperature range: -10°C to +80°C
- Rainbow pack contains 3 x black, 2 x blue, 2 x red, 2 x white and 1 x yellow/green

SPECIFICATIONS:

PART NUMBER	COLOUR	TAPE IMAGE	THICKNESS (mm)	WIDTH (mm)	LENGTH (M)	WEIGHT (G)
WATPVCBLALT	Black		0.18	18	20	10
WATPVCBLULT	Blue		0.18	18	20	10
WATPVCBRLT	Brown		0.18	18	20	10
WATPVCGLT	Grey		0.18	18	20	10
WATPVCGYLT	Yellow/Green		0.18	18	20	10
WATPVCOLT	Orange		0.18	18	20	10
WATPVCRLT	Red		0.18	18	20	10
WATPVCWLT	White		0.18	18	20	10
WATPVCRP	Rainbow Pack		0.18	18	20	720

4.1.4 REPAIR TAPE

**PART NO: WAT125RT72****FEATURES:**

- Self-amalgamating
- For repairing damaged sheaths of plastic/rubber insulated cables and connectors
- Very good electrical properties
- Excellent tensile strength
- 100% waterproof
- Black colour

TECHNICAL DATA:

Tensile strength	2 N/mm ²	ASTM D 412
Elongation at break	600%	ASTM D 412
Temperature resistance	+90°C	-
Dielectric strength	40 kV/mm	ASTM D 149
Volume resistivity	10 ¹⁵ Ω x cm	ASTM D 257
Water absorption (24hrs)	0.4%	ASTM D 570
Dielectric constant (50 Hz)	2.5 A x s/V x m	ASTM D 150
Loss factor (50 Hz)	0.0014	ASTM D 150

SPECIFICATIONS:

THICKNESS (mm)	WIDTH (mm)	LENGTH (M)	WEIGHT (G)
0.75	25	10	20

4.1 ELECTRICAL AND SPECIALTY TAPE

4.1.5 SEALING TAPE



PART NO: WAT125ST64

FEATURES:

- Excellent adhesion to metals, glass, rubber and plastic
- Self-amalgamating and good dielectric and physical properties
- Provides weatherproof sealing and protection against dust, humidity and corrosion
- Suitable for connections with acrylic and epoxy resin compound
- Permanently elastic and ideal for sealing and repairing cables
- Black colour

TECHNICAL DATA:

Tensile strength	0.12 N/mm
Elongation at break	> 1000%
Temperature range	-30°C to +80°C
Dielectric strength	16 kV/mm
Volume resistivity (20°C)	$2 \times 10^{10} \Omega \times m$
Water absorption	0.1%
Dielectric constant (50 Hz)	$3.1 A \times s/V \times m$
Power factor (50 Hz)	0.025

SPECIFICATIONS:

THICKNESS (mm)	WIDTH (mm)	LENGTH (M)	WEIGHT (G)
3.2	38	1.5	35

4.2 CAUTION TAPE

4.2.1 50M CAUTION TAPE



PART NO: WATCTAPE

FEATURES:

- Bright yellow reflective tape for vibrant daytime visibility
- Printed “CAUTION-TEMPORARY CONSTRUCTION WIRING”
- Suitable for outdoor use
- Tape has aggressive adhesive that sticks to any clean, dry surface
- Yellow colour

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (G)
38	50	10

4.2.2 100M UNDERGROUND MARKING TAPE



PART NO: WATUMT100

FEATURES:

- Bright non-adhesive PVC underground identification tape
- Printed “CAUTION-ELECTRICAL CABLE BELOW”
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Orange colour
- Manufactured to AS 2648 1:1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	100	2

4.2 CAUTION TAPE

4.2.3 500M UNDERGROUND MARKING TAPE



PART NO: WATPVCUMT

FEATURES:

- Bright non-adhesive PVC underground identification tape
- Printed "CAUTION-ELECTRICAL CABLE BELOW"
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Orange colour
- Manufactured to AS 2648 1:1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	500	5

4.2.4 500M UNDERGROUND MARKING TAPE



PART NO: WATPVCDANGERT

FEATURES:

- Bright non-adhesive PVC underground identification tape
- Printed "CAUTION-ELECTRICAL CABLE BELOW"
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Orange colour
- Manufactured to AS 2648 1:1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
300	500	11

4.2.5 100M UNDERGROUND MARKING TAPE

**PART NO: WATUMTW100****FEATURES:**

- Non-adhesive PVC tape without wire tracer
- Acts as a warning for dangerous situations and ideal for trench identification
- Printed "CAUTION COMMUNICATIONS CABLE BELOW"
- Eye catching large letters
- White colour
- Manufactured to AS 2648 1:1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	100	2

4.2.6 250M UNDERGROUND DETECTABLE MARKING TAPE

**PART NO: WATUMTW250****FEATURES:**

- Non-adhesive PVC tape with wire tracer
- Acts as a warning for dangerous situations and ideal for trench identification
- Printed "WARNING COMMUNICATION CABLE BELOW"
- Eye catching large letters
- White colour
- Standards-AS/NZS 2648 PART 1 1995
4275 PART 0 1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	250	4

4.2 CAUTION TAPE

4.2.7 500M UNDERGROUND MARKING TAPE



PART NO: WATUMTW500

FEATURES:

- Non-adhesive PVC tape without wire tracer
- Acts as a warning for dangerous situations and ideal for trench identification
- Printed "CAUTION COMMUNICATIONS CABLE BELOW"
- Eye catching large letters
- White colour
- Manufactured to AS 2648 1:1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	500	5

4.2.8 500M UNDERGROUND DETECTABLE MARKING TAPE



PART NO: WATPVCUMT-T

FEATURES:

- Non-adhesive PVC tape with wire tracer
- Printed " DANGER ELECTRICAL CABLE BELOW"
- Acts as a warning for dangerous situations and great for trench identification
- Eye catching large letters printed on non-adhesive tape
- Bright orange reflective tape for vibrant daytime visibility
- Standards-AS/NZS 2648 PART 1 1995
4275 PART 0 1995

SPECIFICATIONS:

WIDTH (mm)	LENGTH (M)	WEIGHT (KG)
150	500	8

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ALC133Y5	61	ALCBLX150/3	8	ALCHS4WTR/15	14	ALCL2.5M5/100	20	ALCLBM150M12/10	19
ALC133Y6	61	ALCBLX70/7	8	ALCHS4WTY/5	14	ALCL2.5M6/100	20	ALCLBM16M10/25	19
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ALCBLBK/100	8	ALCBTB5/100	7	ALCHSFR5/100	12	ALCL240MB/6	21	ALCLBM25M10/25	19
ALCBLBK25/25	8	ALCBTR/100	7	ALCHSFY4.0/30	12	ALCL25M10/25	20	ALCLBM25M12/25	19
ALCBLBR/50	8	ALCBTY/50	7	ALCHSFY5.0/30	12	ALCL25M12/25	20	ALCLBM25M6/25	19
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HSTNW13/6.5YG	45	HSTNW5.0/2.5WH	45	TIE360SB	64	WATMG90	77	WATPVCBRLT	85
HSTNW150/75BK	45	HSTNW5.0/2.5YG	45	TIE360SB/1000	64	WATMG90M	77	WATPVCBRLT	85
HSTNW150/75BL	45	HSTNW50/25BK	45	TIE360SW	64	WATMW6030LP	73	WATPVCBRLT	85
HSTNW150/75CL	45	HSTNW50/25BL	45	TIE360SW/1000	64	WATMW6030LPH	73	WATPVCBRLT	85
HSTNW150/75RD	45	HSTNW50/25CL	45	TIE362-CHD-SS	66	WATMW6050LPH	73	WATPVCBRLT	85
HSTNW150/75WH	45	HSTNW50/25RD	45	TIE362-C-SS	66	WATMW6530LPH	73	WATPVCBRLT	85
HSTNW150/75YG	45	HSTNW50/25WH	45	TIE362-HD-SS	66	WATMW70100L	73	WATPVCBRLT	85
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HSTNW18/9CL	45	HSTNW7.0/3.55BL	45	TIE521-SS	66	WATMW733	73	WATPVCBRLT	85
HSTNW18/9RD	45	HSTNW7.0/3.55CL	45	TIE679-HD-SS	66	WATMW9100R	75	WATPVCBRLT	85
HSTNW18/9WH	45	HSTNW7.0/3.55RD	45	TIE679-SS	66	WATMW9200R	75	WATPVCBRLT	85
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HSTNW2.0/1.0RD	45	HSTNW70/35CL	45	TIE90W/1000	64	WATPVCBLULT	81	WATPVCBRLT	85
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