



Quick Reference Guide Mechanical Shearbolt Connectors



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Mechanical Lugs

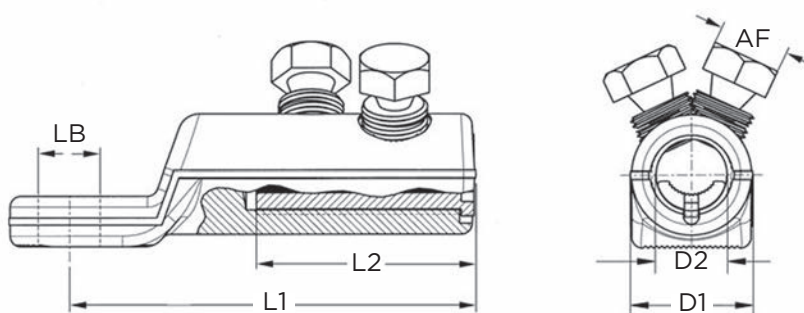
BLMT

Application:	Termination Indoor and Outdoor Aluminium and Copper Conductors
Voltage:	Low and Medium Voltage up to 42kV
Body Material:	High Tensile, Tin Plated Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy / Multi Shear
Cable Range:	Refer to tables
Installation Tool:	IT-1000-033-AU

Cable Types:	 Circular Stranded  Circular Solid  Sector Stranded 4 Core  Sector Solid 4 Core  Sector Stranded 3 Core  Sector Solid 3 Core
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Catalogue Reference	Stud Size LB	Dimensions (mm)				Contact Bolts	
		L1	L2	D1	D2	Quantity	Head size AF (mm)
BLMT-25/95-13	M12	60	30	24	12.8	1	13
BLMT-25/95-17	M16	60	30	24	12.8	1	13
BLMT-35/150-13	M12	86	38	28	15.8	1	17
BLMT-35/150-17	M16	86	38	28	15.8	1	17
BLMT-95/240-13	M12	112	60	33	20	2	19
BLMT-95/240-17	M16	112	60	33	20	2	19
BLMT-120/300-13	M12	115	65	37	24	2	22
BLMT-120/300-17	M16	115	65	37	24	2	22
BLMT-185/400-13	M12	137	80	42	25.5	3	22
BLMT-185/400-17	M16	137	80	42	25.5	3	22
BLMT-185/400-21	M20	137	80	42	25.5	3	22
BLMT-500/630-13	M12	150	95	50	33	3	27
BLMT-500/630-17	M16	150	95	50	33	3	27
BLMT-500/630-21	M20	150	95	50	33	3	27



Catalogue Reference		Application Range Conductor Type						
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BLMT-25/95-XX	Cross-section range (mm ²)	25 – 95	25 – 95	25 – 70	-	16 – 95	10 – 50	25 – 70
		-	-	95*	-	-	-	95*
	Conductor diameter (mm)	5.7 – 12.5	5.5 – 11.0	-	-	4.8 – 12.5	3.6 – 8.0	-
BLMT-35/150-XX	Cross-section range (mm ²)	35 – 150	35 – 150	50 – 95	50 – 120	35 – 150	35 – 50	50 – 95
		-	-	120* – 150*	-	-	-	120* – 150*
	Conductor diameter (mm)	6.8 – 15.0	6.5 – 14.0	-	-	6.6 – 15.0	6.5 – 8.0	-
BLMT-95/240-XX	Cross-section range (mm ²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240	-	95 – 150
		-	-	185* – 240*	185 (90°)	-	-	-
	Conductor diameter (mm)	11.0 – 19.2	10.5 – 18.0	-	-	-	11.0 – 19.2	-
BLMT-120/300-XX	Cross-section range (mm ²)	120 – 300	150 – 300	120 – 185	120 – 240	120 – 300	-	120 – 185
		-	-	240* – 300*	-	-	-	-
	Conductor diameter (mm)	12.7 – 23.1	12.9 – 19.8	-	-	-	12.7 – 22.6	-
BLMT-185/400-XX	Cross-section range (mm ²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400	-	185 – 240
		-	-	300* – 400*	300 (90°)	-	3	27
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6	-	-	15.5 – 24.6	-	-
BLMT-500/630-XX	Cross-section range (mm ²)	500 – 630	500 – 630	-	-	500 – 630	-	-
		-	-	-	-	-	-	-
	Conductor diameter (mm)	25.3 – 32.5	24.0 – 28.6	-	-	25.3 – 32.5	-	-

* pressed round

Mechanical Lugs Centre Palm

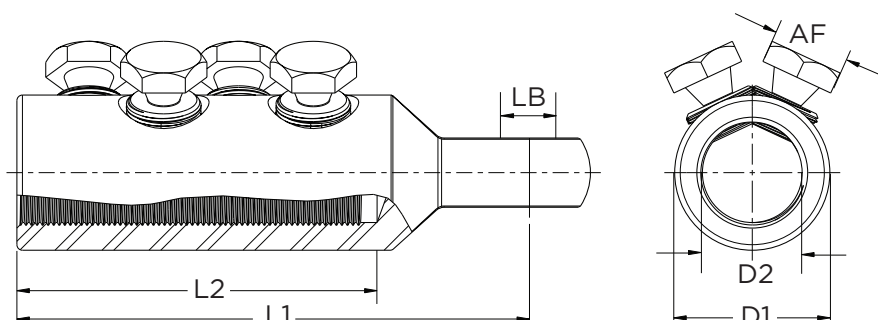
BLMC

Application:	Aluminium and Copper Conductors for Switchgear
Voltage:	Low and Medium Voltage up to 42kV
Body Material:	High Tensile, Tin Plated Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy
Cable Range:	Refer to tables
Installation Tool:	IT-1000-033-AU
Cable Types:	

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Stud Size LB	Dimensions (mm)				Contact Bolts	
		L1	L2	D1	D2	Quantity	Head size AF (mm)
BLMC-25/95-16-800A	M16	77.5	31.5	29	16.3	1	12
BLMC-95/240-16-800A	M16	107.5	61.5	34.5	19.5	2	18
BLMC-500/630-16-1250A	M16	155	100	50	33	3	27
BLMC-800-16-1250A	M16	185	130	36	56	4	27

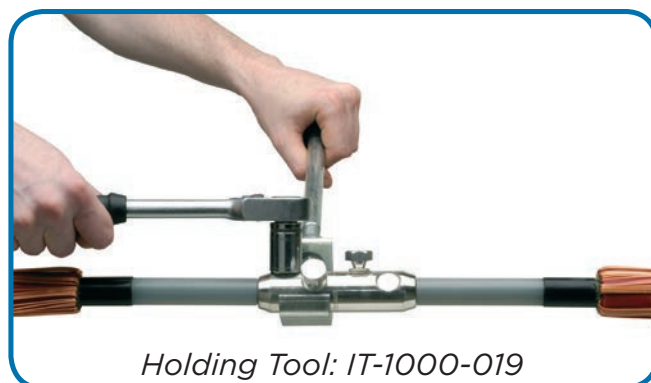


Catalogue Reference		Application Range Conductor Type						
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BLMC-25/95-16-800A	Cross-section range (mm ²)	25 - 95	16 - 95	25 - 70	-	16 - 95	10 - 50	25 - 70
		-	-	95*	-	-	-	95*
	Conductor diameter (mm)	5.6 - 12.5	4.1 - 11	-	-	4.8 - 12.5	3.6 - 8	-
BLMC-95/240-16-800A	Cross-section range (mm ²)	95 - 240	95 - 240	95 - 150	95 - 150	95 - 240	-	95 - 150
		-	-	185* - 350*	185 (90°)	-	-	-
	Conductor diameter (mm)	11.0 - 19.2	10.5 - 18.0	-	-	-	11.0 - 19.2	-
BLMC-500/630-16-1250A	Cross-section range (mm ²)	500 - 630	500 - 630	-	-	500 - 630	-	-
		-	-	-	-	-	-	-
	Conductor diameter (mm)	25.3 - 32.5	24 - 28.4	-	-	25.3 - 32.5	-	-
BLMC-800-16-1250A	Cross-section range (mm ²)	800	800	-	-	-	800	-
		-	-	-	-	-	-	-
	Conductor diameter (mm)	32.5 - 35.3	30.9 - 32.1	-	-	-	32.5 - 35.3	-

* pressed round

Mechanical Connectors Installation

- Easy and secure installation
- All it takes to tighten bolts is a wrench and hexagon socket, or an installation tool is available
- Same cut-back length for each type
- Inserts are included
- Shear head bolts with predetermined torque ensure a reliable and secure contact
- The use of a support tool is recommended to prevent conductor bending
- Separate installation instructions included with every connector or cable lug



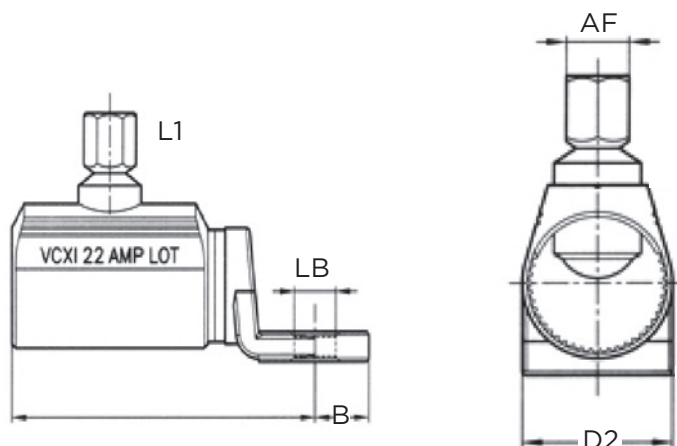
Bi-Metallic Bolted Lugs

VCXI

Application:	Indoor Busbar Termination of Aluminium Conductor to Copper Palm
Voltage:	Low Voltage up to 1kV
Body Material:	Friction Welded Aluminium Barrel Link to Copper Palm
Bolt Material / Type:	Aluminium Alloy
Cable Range:	25 - 500mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	 Circular Stranded



Catalogue Reference	Cross Section Range (mm ²)		Stud Size LB	Dimensions (mm)			Max Intensity	Contact Bolts	
	Aluminium	Copper		L1	B	Ø D2		Quantity	Head Size AF (mm)
VCXI-11	25 - 70	25 - 50	M6	40	8	16	160A	1	10
VCXI-14	50 - 120	50 - 95	M10	60	10	20	250A	1	10
VCXI-18	95 - 185	95 - 120	M10	72	12.5	25	315A	1	13
VCXI-22	150 - 300	150 - 185	M12	89	15.5	31	400A	1	13
VCXI-29	240 - 500	240	M16	105	20	40	630A	1	13



Mechanical Links

BSMB

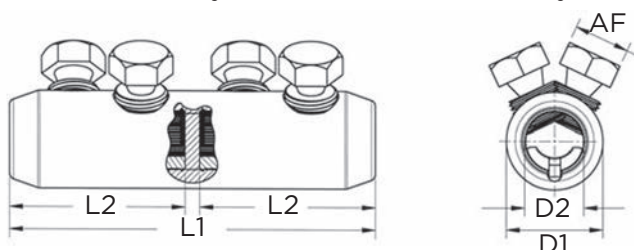
Application:	Indoor and Outdoor Aluminium and Copper Conductors
Voltage:	Low and Medium Voltage up to 42kV
Body Material:	High Tensile, Tin Plated Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy
Cable Range:	Refer to tables
Installation Tool:	IT-1000-033-AU
Cable Types:	

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Barrier	Dimensions (mm)				Contact Bolts	
		L1	L2	D1	D2	Quantity	Head Size AF (mm)
BSMB-10/35	yes	45	20	19	8.5	2	10
BSM-25/95	yes	65	30	24	12.8	2	13
BSM-25/95-U	no	65	-	24	12.8	2	13
BSMB-35/150	yes	80	35	28	15.8	2	17
BSMU-35/150	no	80	-	28	15.8	2	17
BSM-95/240	yes	125	60	33	20.0	4	19
BSM-95/240-U	no	125	-	33	20.0	4	19
BSMB-95/240-34	yes	125	60	34	22.0	4	19
BSMB-120/300	yes	140	65	37	24.0	4	22
BSMU-120/300	no	140	-	37	24.0	4	22
BSM-185/400	yes	170	80	42	25.5	6	22
BSM-185/400-U	no	170	-	42	25.5	6	22
BSMB-500	yes	190	90	46	30.0	6	27
BSMU-500	no	190	-	46	30.0	6	27
BSMB-630	yes	200	95	50	33.0	6	27
BSMB-800	yes	270	130	56	36.0	8	27
BSMB-1000	yes	180	86	60	40.0	8	13

If links are to be used in 6.6 up to 33kV applications, TE Connectivity need to be consulted to check suitability before jointing. Failure to consult TE Connectivity will void connector warranty.



Catalogue Reference		Application Range Conductor Type						
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BSM-10/35	Cross-section range (mm²)	10 - 35	10 - 50	10 - 25	-	10 - 35	10 - 35	10 - 25
		-	-	35*	-	-	-	35*
	Conductor diameter (mm)	3.7 - 7.5	3.4 - 7.8	-	-	3.7 - 7.5	3.4 - 6.7	-
BSM-25/95 BSM-25/95-U	Cross-section range (mm²)	25 - 95	25 - 95	25 - 70	-	16 - 95	10 - 50	25 - 70
		-	-	95*	-	-	-	95*
	Conductor diameter (mm)	5.7 - 12.5	5.5 - 11.0	-	-	4.8 - 12.5	3.6 - 8.0	-
BSMB-35/150 BSMU-35/150	Cross-section range (mm²)	35 - 150	35 - 150	50 - 95	50 - 120	35 - 150	35 - 50	50 - 95
		-	-	120* - 150*	-	-	-	120* - 150*
	Conductor diameter (mm)	6.8 - 15.0	6.5 - 14.0	-	-	6.6 - 15.0	6.5 - 8.0	-
BSM-95/240 BSM-95/240-U	Cross-section range (mm²)	95 - 240	95 - 240	95 - 150	95 - 150	95 - 240	-	95 - 150
		-	-	185 - 240*	185 (90°)	-	-	185 - 240*
	Conductor diameter (mm)	11.0 - 20.8	10.5 - 18.0	-	-	11.0 - 19.2	-	-
BSMB-95/240-34	Cross-section range (mm²)	95 - 240	95 - 240	95 - 150	95 - 185	95 - 240	-	95 - 150
		-	-	185* - 240*	-	-	-	185* - 240*
	Conductor diameter (mm)	11.0 - 20.8	10.5 - 18.0	-	-	11.0 - 19.2	-	-
BSMB-120/300 BSMU-120/300	Cross-section range (mm²)	120 - 300	150 - 300	120 - 185	120 - 240	120 - 300	-	120 - 185
		-	-	240 - 300*	-	-	-	240 - 300*
	Conductor diameter (mm)	12.7 - 23.1	12.9 - 19.8	-	-	12.7 - 22.6	-	-
BSM-185/400 BSM-185/400-U	Cross-section range (mm²)	185 - 400	185 - 400	185 - 240	185 - 240	185 - 400	-	185 - 240
		-	-	300 - 400	300 (90°)	-	-	300 - 400
	Conductor diameter (mm)	15.5 - 24.6	14.8 - 24.6	-	-	15.5 - 24.6	-	-
BSMB-500 BSMU-500	Cross-section range (mm²)	500	500	-	-	500	-	-
		25.3 - 28.9	24.0 - 25.1	-	-	25.3 - 28.6	-	-
BSMB-630	Cross-section range (mm²)	630	630	-	-	630	-	-
	Conductor diameter (mm)	28.7 - 32.5	27.3 - 28.4	-	-	28.7 - 32.5	-	-
BSMB-800	Cross-section range (mm²)	800	800	-	-	800	-	-
	Conductor diameter (mm)	32.5 - 35.3	30.9 - 32.1	-	-	32.5 - 35.3	-	-
BSMB-1000	Cross-section range (mm²)	1000	1000	-	-	1000	-	-
	Conductor diameter (mm)	37 - 39.5	34.8 - 36	-	-	37 - 39.5	-	-

* pressed round

Mechanical Split Connectors

BSMV

Application:	Indoor and Outdoor Aluminium and Copper Conductors
Voltage:	Low and Medium Voltage up to 42kV
Body Material:	High Tensile, Tin Plated Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy
Cable Range:	120 - 400mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core

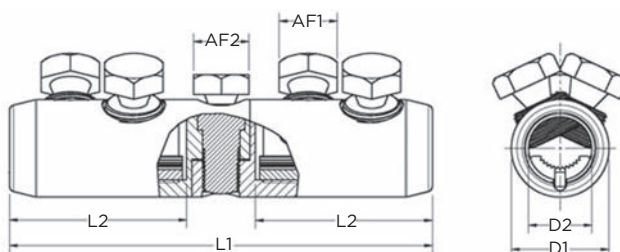


Catalogue Reference	Barrier	Dimensions (mm)				Contact Bolts		Contact Bolts	
		L1	L2	D1	D2	Quantity	Head size AF (mm)	Quantity	Head size AF2 (mm)
BSMV-120/300	yes	160	65	37	24	4	22	1	21
BSMV-185/400	yes	190	80	42	25.5	6	22	1	19

Catalogue Reference		Application Range Conductor Type						
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BSMV-120/300	Cross-section range (mm ²)	120 - 300	150 - 300	120 - 185	120 - 240	120 - 300	-	120 - 185
	Conductor diameter (mm)	12.7 - 23.1	12.9 - 19.8	-	-	12.7 - 22.6	-	-
BSMV-185/400	Cross-section range (mm ²)	185 - 400	185 - 400	185 - 240	185 - 240	185 - 400	-	185 - 240
	Conductor diameter (mm)	15.5 - 24.6	14.8 - 24.6	-	-	15.5 - 24.6	-	-

* pressed round

If links are to be used in 6.6 up to 33kV applications, TE Connectivity need to be consulted to check suitability before jointing. Failure to consult TE Connectivity will void connector warranty.



Bolted Connectors

4899

Application: Indoor and Outdoor Aluminium and Copper Conductors

Voltage: Low Voltage up to 1kV

Body Material: High Strength, Tin Plated Aluminium Alloy, Corrosion Resistant

Bolt Material / Type: Uncoated Aluminium

Cable Range: 4 - 50mm²

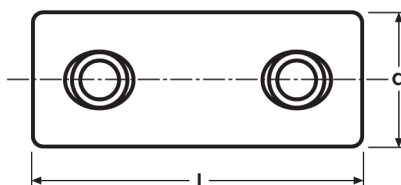
Installation Tool: IT-1000-033-AU

Cable Types:

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Barrier	Cross Section Range (mm ²)				Dimensions (mm)		Set Screws	
		Sector Stranded	Sector Solid	Round Stranded	Round Solid	d	l	Quantity	Wrench Size (mm)
HEL-4899-Z-AK	no	4 - 50	4 - 35	4 - 50	4 - 35	16	40	2	10



Bolted Connectors - Brass Screws

489

Application: Indoor and Outdoor Aluminium and Copper Conductors

Voltage: Low Voltage up to 1kV

Body Material: High Strength, Tin Plated Aluminium Alloy, Corrosion Resistant

Bolt Material / Type: Electro-Tinned Brass

Cable Range: 4 -185mm²

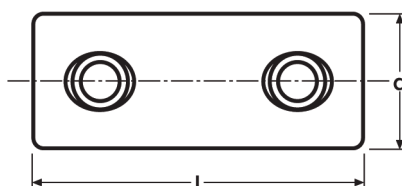
Installation Tool: IT-1000-033-AU

Cable Types:

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Barrier	Cross Section Range (mm ²)				Dimensions (mm)		Set Screws	
		Sector Stranded	Sector Solid	Round Stranded	Round Solid	d	l	Quantity	Wrench Size (mm)
HEL-4897-Z-AK	no	4 - 35	4 - 50	4 - 35	4 - 50	16	40	2	4
HEL-6897-Z-AAK	no	10 - 50	10 - 50	10 - 50	10 - 50	18	40	2	4/10
HEL-4887-Z-AK	no	25 - 70	35 - 95	16 - 70	16 - 95	25	55	2	5
HEL-4888-Z-AK	no	25 - 185	35 - 185	35 - 185	10 - 95	32	80	2	6
HEL-6888-Z-AK	no	35 - 120	50 - 150	35 - 150	50 - 95	28	75	2	6



Bolted Connectors - Removable Screws

HEL

Application: Indoor and Outdoor Aluminium and Copper Conductors

Voltage: Low Voltage up to 1kV

Body Material: High Strength, Tin Plated Aluminium Alloy, Corrosion Resistant

Bolt Material / Type: Electro-Tinned Brass

Cable Range: 25 - 240mm²

Installation Tool: IT-1000-033-AU

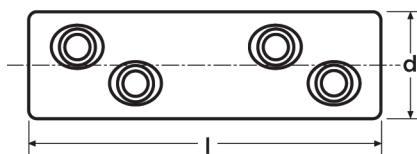
Cable Types:

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Barrier	Cross Section Range (mm ²)				Dimensions (mm)		Set Screws	
		Sector Stranded	Sector Solid	Round Stranded	Round Solid	d	l	Quantity	Wrench Size (mm)
HEL-6988-T-Z-AK-AS	yes	120 - 185 + 240*	120 - 240	120 - 240	120 - 240	38	128	4	6
HEL-4968-Z-AK	no	25 - 185	35 - 185	35 - 185	10 - 95 CU 16 - 185 AL	32	108	4	6

* Stranded sector-shaped conductor 240 mm² has to be rounded.



Bolted Connectors - Sector Shaped

BSLB

Application: Underground Aluminium and Copper Conductors

Voltage: Low Voltage up to 1kV

Body Material: High Strength, Tin Plated Aluminium Alloy

Bolt Material / Type: Aluminium Alloy

Cable Range: 6 - 150mm²

Installation Tool: IT-1000-033-AU

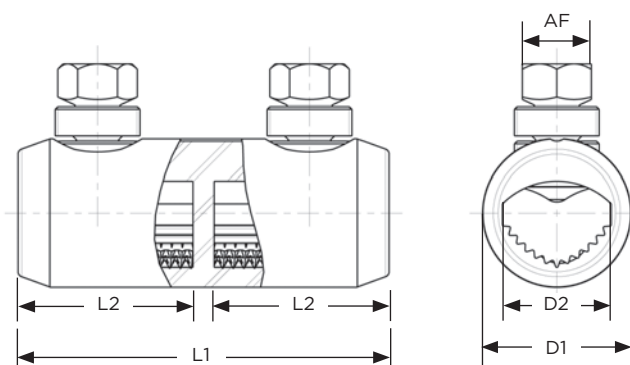
Cable Types:

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	Barrier	Dimensions (mm)				Contact Bolts	
		L1	L2	D1	D2	Quantity	Head size AF (mm)
BSLB-25/150-S-AS	yes	70	35	28	20.5	2	13

Catalogue Reference		Application Range Conductor Type							Contact Bolts	
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded	Qty	Head size AF2 (mm)
BSLB-25/150-S-AS	Cross-section range (mm ²)	25 - 95	25 - 95	25 - 150	25 - 150	-	-	25 - 150	2	13



Underground MV Branch Joint Connectors

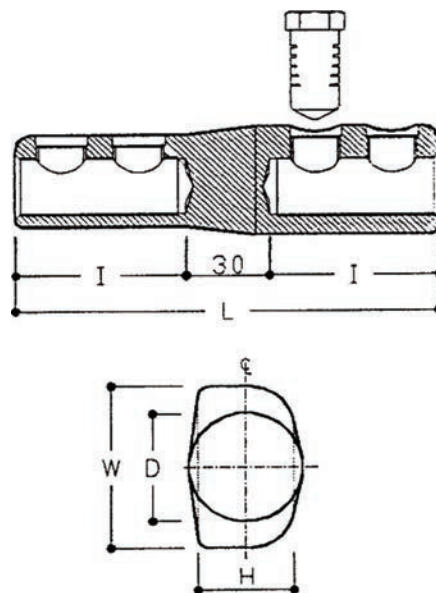
HVBRM

Application:	Medium Voltage Branch Joint for Aluminium and Copper Conductors
Voltage:	Medium Voltage up to 42kV
Body Material:	Aluminium Alloy - Brass gauze may be used for copper conductors
Bolt Material / Type:	Brass range taking
Cable Range:	25 - 300mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	 Circular Stranded  Circular Solid



Catalogue Reference	Type	Stud Size	Cross Section Range (mm ²)	Dimensions (mm)				
				L	W	D	H	I
HVBRM18SOUTC	Solid blocked	M18	25 - 185	154	61	41	35	62
HVBRM18SPUCT	Split blocked	M18	25 - 185	154	61	41	35	62
HVBRM22SOUTC	Solid blocked	M20	25 - 300	154	77	46	42	62
HVBRM22SPUCT	Split blocked	M20	25 - 300	154	77	46	42	62

If links are to be used in 6.6 up to 33kV applications, TE Connectivity need to be consulted to check suitability before jointing. Failure to consult TE Connectivity will void connector warranty.



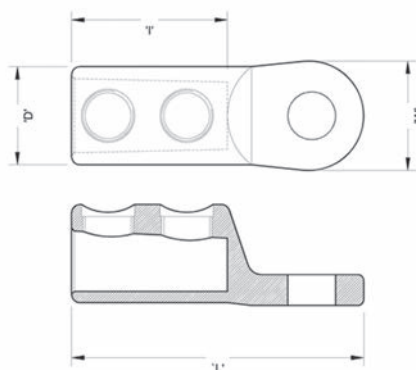
End Terminations

LVET

Application:	Termination of Aluminium 3 & 4 Core Solid Conductors
Voltage:	Low Voltage up to 1kV
Body Material:	Cast Aluminium
Bolt Material / Type:	Brass
Cable Range:	90 - 300mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	4 Sector Solid 4 Core 3 Sector Solid 3 Core



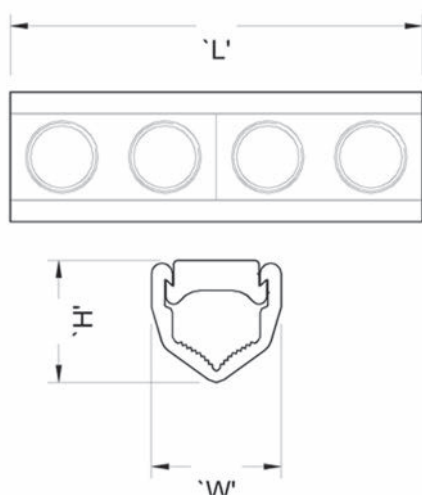
Catalogue Reference	Stud Size	Cross Section Range (mm ²)	Dimensions (mm)				Socket Size (A/F)
			L	I	D	W	
LVET120-12	M12	90 - 120	86	40	28	32	13
LVET120-16	M16	90 - 120	86	40	28	32	13
LVET185-12	M12	120 - 185	104	56	35	39	19
LVET185-16	M16	120 - 185	104	56	35	39	19
LVET240-12-UTB	M12	240	98	48	32	32	13
LVET120-12	M12	90 - 120	86	40	28	32	13
LVET300-12-UTB	M12	300	116	56	43	43	19
LVET300-16	M16	240 - 300	116	56	41	43	19



Underground LV Straight Connectors

UST

Application:	Underground Aluminium Conductors
Voltage:	Low Voltage up to 1kV
Body Material:	Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy
Cable Range:	35 - 300mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	 Circular Stranded  Circular Solid  Sector Stranded 4 Core  Sector Solid 4 Core



Catalogue Reference	With Shroud	Barrier	Conductor Size Range (mm ²)	Dimensions (mm)			Socket Size (A/F)
				L	H	W	
UST95	UST95INS	no	35 - 95	80	27	26	13
UST185	UST185INS	no	35 - 185	108	33	35	19
UST300	UST300INS	no	70 - 300	108	38	41	19

The moulded orange shrouds offer reliable and robust insulation reducing installation time and making live working easier. Breather holes on the shroud allow 2 and 3 part resins to flow freely and encapsulate the connector and shroud assembly

Underground Universal LV Branch Joint

UBR

Application: Transition between Different Aluminium Conductors

Voltage: Low Voltage up to 1kV

Body Material: Aluminium Alloy

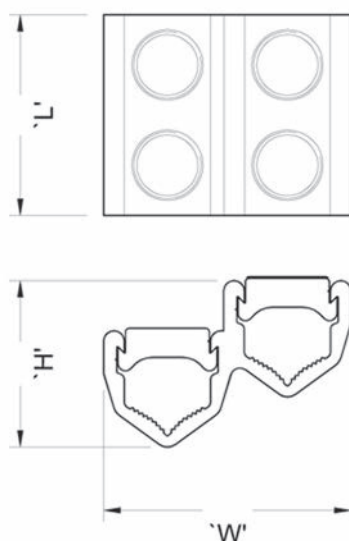
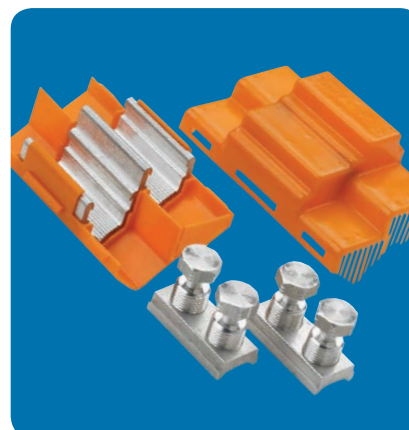
Bolt Material / Type: Refer to table

Cable Range: 35 - 400mm²

Installation Tool: IT-1000-033-AU

Cable Types:

-  Circular Stranded
-  Circular Solid
-  Sector Stranded 4 Core
-  Sector Solid 4 Core
-  Sector Stranded 3 Core
-  Sector Solid 3 Core



Catalogue Reference	With Shroud	Barrier	Conductor Size Range (mm ²)	Dimensions (mm)			Bolt Material	Socket Size (A/F)
				L	H	W		
UBR95	UBR95INS	no	35 - 95	40	38	50	Aluminium Alloy	13
UBR185	UBR185INS	no	35 - 185	54	47	67	Aluminium Alloy	19
UBR300	UBR300INS	no	70 - 300	54	54	78	Aluminium Alloy	19
UBR400	-	no	185 - 400	54	62	78	Brass	19

The moulded orange shrouds offer reliable and robust insulation reducing installation time and making live working easier. Breather holes on the shroud allow 2 and 3 part resins to flow freely and encapsulate the connector and shroud assembly.

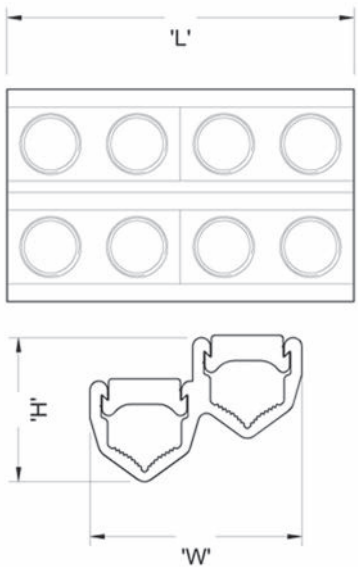
Underground Universal LV Double Branch

UBRD

Application:	Transition Where Two Cables are Jointed at the Main
Voltage:	Low Voltage up to 1kV
Body Material:	Aluminium Alloy
Bolt Material / Type:	Aluminium Alloy
Cable Range:	35 - 300mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	 Circular Stranded  Circular Solid  Sector Stranded 4 Core  Sector Solid 4 Core  Sector Stranded 3 Core  Sector Solid 3 Core



Catalogue Reference	Conductor Size Range (mm ²)	Dimensions (mm)			Socket Size (A/F)
		L	H	W	
UBRD95	35 - 95	80	38	50	13
UBRD185	35 - 185	108	47	67	19
UBRD300	70 - 300	108	54	78	19



Underground Brass End Terminations

BET

- Application:

Body Material:

Bolt Material / Type:

Cable Range:

Installation Tool:

Cable Types:
- Copper Stranded or Solid Conductors

Brass

Brass

10 - 120mm²

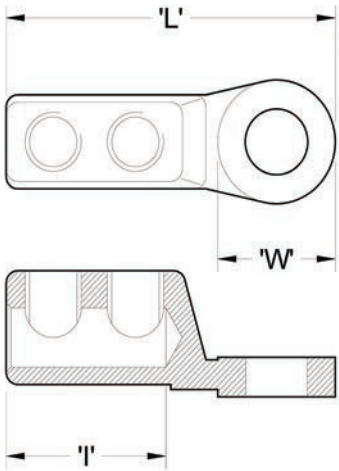
IT-1000-033-AU

 Circular Stranded

 Circular Solid



Catalogue Reference	Stud Size	Max Conductor Size (mm ²)	Dimensions (mm)			Installation Type
			L	I	W	
BET35-12	M12	35	55	25	20	3mm Allen
BET60-12	M12	60	70	34	25	13mm Socket
BET120-12	M12	120	86	46	28	16mm Socket
BET35-16	M16	35	55	25	20	3mm Allen
BET60-16	M16	60	70	34	25	13mm Socket
BET120-16	M16	120	86	46	28	16mm Socket



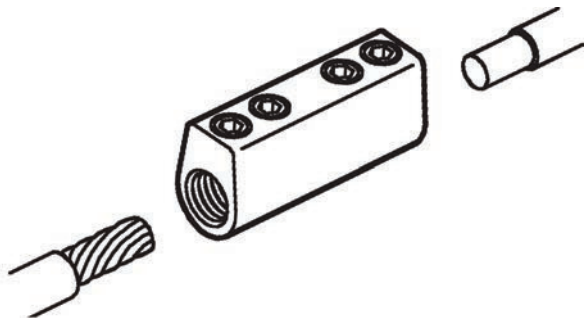
Brass Tunnel Connectors

BTC

- Application:**
- Copper Stranded Conductors
- Voltage:**
- Low Voltage up to 1kV
- Body Material:**
- Brass
- Bolt Material / Type:**
- Brass
- Cable Range:**
- 10 - 70mm²
- Installation Tool:**
- IT-1000-033-AU
- Cable Types:**
-  Circular Stranded



Catalogue Reference	Barrier	Stud Size	Conductor Range (mm ²)	Rifled Bore Nominal Diameter
BTC-4-40T	no	M6	10 - 35	8
BTC-4-45W	yes	M6	10 - 35	8
BTC-5-50T	no	M8	10 - 50	10
BTC-5-55W	yes	M8	10 - 50	10
BTC-6-55T	no	M10	10 - 70	11
BTC-6-60W	yes	M10	10 - 70	11



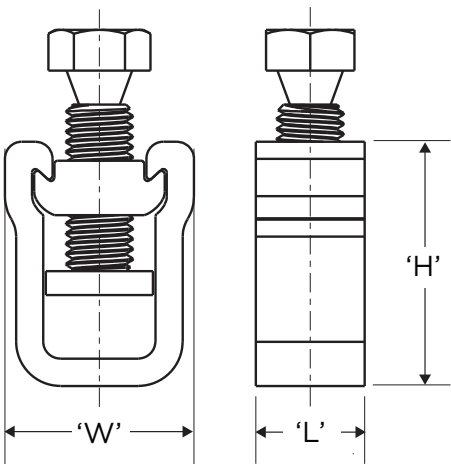
Underground Connectors for Waveform CNE

BCNE

Application:	Combined Neutral and Earth Copper Conductors
Voltage:	Low Voltage up to 1kV
Body Material:	Brass
Bolt Material / Type:	Brass
Cable Range:	10 - 240mm ²
Installation Tool:	IT-1000-033-AU
Cable Types:	 Circular Stranded  Circular Flexible



Catalogue Reference	Total Cross Section (mm ²)	Dimensions (mm)		
		L	H	W
BCNE-1S	10 - 125	16	41	30
BCNE-3S	125 - 240	16	50	29



About TE Connectivity

TE Connectivity is a global, \$12.1 billion company that designs and manufactures over 500,000 products that connect and protect the flow of power and data inside the products that touch every aspect of our lives. Our nearly 100,000 employees partner with customers in virtually every industry – from consumer electronics, energy and healthcare, to automotive, aerospace and communication networks – enabling smarter, faster, better technologies to connect products to possibilities.

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