



Utilux Bi-Metal Lugs and Links – The Next Generation

For over 40 years Utilux has been manufacturing bi-metallic lugs and links, to become the market leader in Australia and New Zealand. This occurred through innovation and the ability to meet the multitude of variations required by our customers.

The Next Generation of the Utilux bi-metal lug and link range draws upon Tyco Electronics worldwide engineering expertise in connectors and fittings. As advances in cable designs have been made, so to, has The Next Generation of Utilux bi-metal lugs and links evolved.

As a result of Tyco Electronics expertise, subtle changes have been made to Utilux's range of bi-metal lugs and links to enhance performance through the addition of new features. This has allowed The Next Generation of Utilux bi-metal lugs and links to become a truly international connector.

Technical Information

- Copper – 99.9% pure, high conductivity
- Aluminium – 96.63% pure, high conductivity
- Friction welded
- Tested to AS4325 Part 1-1995
- Meets the requirement of IEC 61284 – 1979, ANSI C119.4 – 1998

Key Features

- Ability to use existing industry standard tooling
- Improved dimensional sizing
- Increased lead in chamfer
- Increase range of stud holes
- Improved printing of technical information and crimp die positioning on the barrel
- Individually wrapped
- Prefilled with jointing compound

The Next Generation of Utilux Bi-Metal Lugs standard range is available from 25 to 630 sq mm with the stud holes available, ranging from a blank palm to sizes of M10, M12 to M16, depending upon the size of the lug. The link range starts at 16 sqmm on the aluminium end with the copper end at 10sqmm, up to 630 to 630 sqmm aluminium to copper bi-metal link.

Special or variations to the standard Next Generation of Utilux bi-metal lugs and links to suit specific applications can be designed and manufactured upon request.

Compression crimping forms the connector barrel and conductor into a strong homogeneous unit, producing excellent conductivity, low temperature rise and outstanding resistance to oxidation. If these bimetal connectors are to be used outside they should be fully protected against penetration by moisture.

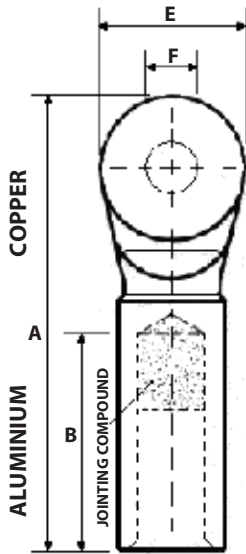
Benefits

- Simple installation using readily available tooling and dies
- Improved application
- Improves installation
- Increased flexibility
- Increased visibility, less chance of a mistake
- Protects the connector until use
- Reduces installation time

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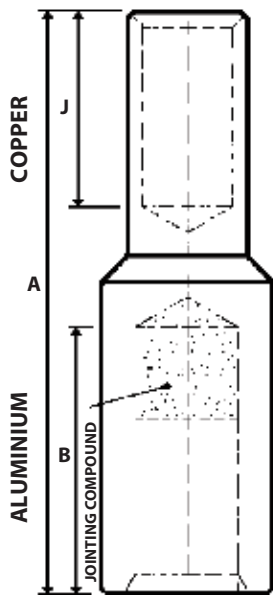
Next Generation Bi-Metal Lug



Part Number	Conductor Size	F (Stud Size)	A	B	Crimp Die	E
BG25MB	25	-	70	32	38-90AL	20
BG25M10	25	M10	70	32	38-90AL	20
BG35MB	35	-	70	32	38-132AL	20
BG35M10	35	M10	70	32	38-132AL	20
BG35M12	35	M12	70	32	38-132AL	20
BG50MB	50	-	70	32	38-132AL	20
BG50M10	50	M10	70	32	38-132AL	20
BG50M12	50	M12	70	32	38-132AL	20
BG70MB	70	-	70	32	38-132AL	20
BG70M10	70	M10	70	32	38-132AL	20
BG70M12	70	M12	70	32	38-132AL	20
BG95MB	95	-	110	60	38-173AL	30
BG95M10	95	M10	110	60	38-173AL	30
BG95M12	95	M12	110	60	38-173AL	30
BG120MB	120	-	110	60	38-173AL	30
BG120M12	120	M12	110	60	38-173AL	30
BG120M16	120	M16	110	60	38-173AL	30
BG150MB	150	-	115	60	38-220AL	35
BG150M12	150	M12	115	60	38-220AL	35
BG150M16	150	M16	115	60	38-220AL	35
BG185MB	185	-	115	60	38-220AL	35
BG185M12	185	M12	115	60	38-220AL	35
BG185M16	185	M16	115	60	38-220AL	35
BG240MB	240	-	125	60	38-284AL	35
BG240M12	240	M12	125	60	38-284AL	35
BG240M16	240	M16	125	60	38-284AL	35
BG300MB	300	-	125	60	38-284AL	35
BG300M12	300	M12	125	60	38-284AL	35
BG400MB	400	-	160	70	40-390AL	50x50*
BG500MB	500	-	160	70	40-390AL	50x50*
BG630MB	630	-	175	70	40-432AL	60x60*

*Square palm

Next Generation Bi-Metal Link



Part Number	Conductor Size (sqmm)	A	ALUMINIUM		COPPER	
			B	Crimp Die	J	Crimp Die
BK16-10	16-10	70	32	38-90AL	21.5	38-92CU
BK16-16	16-16	70	32	38-90AL	21.5	38-92CU
BK25-16	25-16	70	32	38-90AL	21.5	38-92CU
BK25-25	25-25	70	32	38-90AL	21.5	38-92CU
BK35-25	35-25	70	32	38-132AL	21.5	38-92CU
BK35-35	35-35	70	32	38-132AL	21.5	38-92CU
BK50-35	50-35	70	32	38-132AL	21.5	38-92CU
BK50-50	50-50	70	32	38-132AL	21.5	38-115CU
BK70-50	70-50	70	32	38-132AL	21.5	38-115CU
BK70-70	70-70	70	32	38-132AL	21.5	38-115CU
BK95-70	95-70	110	60	38-173AL	32	38-115CU
BK95-95	95-95	120	60	38-173AL	40	38-165CU
BK120-95	120-95	120	60	38-173AL	40	38-165CU
BK120-120	120-120	120	60	38-173AL	40	38-165CU
BK150-120	150-120	120	60	38-220AL	40	38-165CU
BK150-150	150-150	120	60	38-220AL	40	38-200CU
BK185-150	185-150	120	60	38-220AL	40	38-200CU
BK185-185	185-185	120	60	38-220AL	40	38-200CU
BK240-185	240-185	122	60	38-284AL	40	38-200CU
BK240-240	240-240	125	60	38-284AL	40	38-260CU
BK300-240	300-240	125	60	38-284AL	40	38-260CU
BK300-300	300-300	125	60	38-284AL	40	38-260CU
BK400-300	400-300	153	70	40-390AL	55	38-260CU
BK400-400	400-400	155	70	40-390AL	58	40-310CU
BK500-400	500-400	155	70	40-390AL	58	40-310CU
BK500-500	500-500	155	70	40-390AL	58	40-310CU
BK630-500	630-500	160	70	40-432AL	60	40-310CU
BK630-630	630-630	160	70	40-432AL	60	40-370CU

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, BOWTHORPE EMP, CROMPTON INSTRUMENTS, DORMAN SMITH, DULMISON, GURO, HELLSTERN, LA PRAIRIE, MORLYNN, RAYCHEM, SIMEL and UTILUX are trademarks.

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