

Bimetallic Lug Connector

Bimetallic lug connectors are used for connecting aluminum cables to copper ends of electrical equipment in low voltage applications. They feature clear markings for correct crimping and are prefilled with jointing compound.



Overview

High-Performance Bimetallic Termination

These bimetallic lugs are engineered for the transition connection of aluminum or aluminum alloy cables to copper electrical equipment terminals in low-voltage applications. They effectively prevent galvanic corrosion between dissimilar metals by utilizing a friction-welded copper palm and aluminum barrel. Prefilled with jointing compound and featuring clear crimping markings, they ensure a reliable, high-conductivity connection for power distribution and grounding systems.

Material Specifications

Aluminum Purity

99.5 %

Al Purity

Copper Purity

99.9 %

Cu Purity

Technical Features

Key Features

- Clear markings on barrel for precise crimping
- Compatible with DIN standard crimping dies
- Epoxy resin applied to copper-aluminum contact area
- Prefilled with jointing compound to prevent oxidation

Application

Transition connection of aluminum/aluminum alloy cables to copper ends in low voltage equipment.

Product Range

Type	Conductor Size (mm ²)	Dimensions				Stud Size	Pack(pcs)	Crimping Die
		L(mm)	d(mm)	D(mm)	B(mm)			
ATL16-8	16	52	5.8	12	22	M8	160x8	DL12
ATL16-10		52	5.8	12	25	M10		
ATL25-8	25	60	6.8	12	22	M8	160x8	DL12
ATL25-10		60	6.8	12	25	M10		
ATL35-8	35	67	8	14	22	M8	80x8	DL14
ATL35-10		67	8	14	25	M10		
ATL35-12		67	8	14	30	M12		
ATL50-8	50	72	9.8	16	25	M8	50x8	DL16
ATL50-10		72	9.8	16	27	M10		
ATL50-12		72	9.8	16	30	M12		
ATL70-8	70	86	11.2	18.5	28	M8	40x8	DL18
ATL70-10		86	11.2	18.5	29	M10		
ATL70-12		86	11.2	18.5	32	M12		

Detailed dimensional data and crimping die requirements for small to medium conductor sizes.

ATL95-10	95	90	13.2	22	32	M10	25x8	DL22
ATL95-12		90	13.2	22	35	M12		
ATL95-16	120	90	13.2	22	37.5	M16	60x4	DL22
ATL120-10		91	14.7	23	34	M10		
ATL120-12		91	14.7	23	35	M12		
ATL150-10	150	103	16.3	25	35	M10	30x4	DL25
ATL150-12		103	16.3	25	35	M12		
ATL150-16		103	16.3	25	41	M16		
ATL185-12	185	106	18.3	28.5	40	M12	30x4	DL28
ATL185-16		106	18.3	28.5	42	M16		
ATL240-12	240	116	21	32	45	M12	16x4	DL32
ATL240-16		116	21	32	45	M16		
ATL300-16	300	124	23.3	34	51	M16	16x4	-
ATL300-20		124	23.3	34	51	M20		

Detailed dimensional data and crimping die requirements for high-capacity conductor sizes.

Dimensions (16mm² - 70mm²)

Type	Conductor Size (mm ²)	Stud Size	Length L (mm)	Die
ATL16-8	16	M8	52	DL12
ATL25-10	25	M10	60	DL12
ATL35-10	35	M10	67	DL14
ATL50-12	50	M12	72	DL16
ATL70-12	70	M12	86	DL18

Dimensions (95mm² - 300mm²)

Type	Conductor Size (mm ²)	Stud Size	Length L (mm)	Die
ATL95-12	95	M12	90	DL22
ATL120-12	120	M12	91	DL22
ATL150-12	150	M12	103	DL25
ATL185-16	185	M16	106	DL28
ATL240-16	240	M16	116	DL32
ATL300-20	300	M20	124	DL34

Standards & Compliance

Standards Compliance

DIN Standard Crimping, Low Voltage Compatible, Bimetallic Transition