

Bimetallic Wire Connector

These bimetallic connectors are designed for transitioning between aluminum and copper cables. The barrel features clear markings to indicate the correct crimping location.



Overview

Bimetallic Wire Connector

These bimetallic connectors are engineered for the reliable transition connection between aluminum or aluminum alloy cables and copper cables. Utilizing a friction-welded construction, they effectively prevent galvanic corrosion between dissimilar metals, ensuring long-term electrical integrity. Each unit features prefilled jointing compound and clear barrel markings to facilitate accurate crimping and installation in power transmission and distribution systems.

Technical Specifications

Key Features

Oil blocking structure • Friction welded • Prefilled jointing compound • Clear crimping markings

Material Purity

Aluminum e 99.5%, Copper e 99.9%

Primary Application

Intermediate transition connection of aluminium or aluminium alloy cable with copper cable

Dimensional Data

Type	Conductor Size (mm ²)	Dimensions					Pack(pcs)	Crimping Die	
		L(mm)	d(mm)	D(mm)	d1(mm)	D1(mm)		Al	Cu
GTL-AL16/CU10	AL16/CU10	66.5	5.6	16	4.5	6	100x8	ML10-35	DT6
GTL-AL25/CU10	AL25/CU10	66.5	6.4	16	4.5	6	100x8	ML10-35	DT6
GTL-AL25/CU16	AL25/CU16	72.5	6.4	16	5.5	8.5	100x8	ML10-35	DT8
GTL-AL35/CU16	AL35/CU16	72.5	8.5	16	5.5	8.5	80x8	ML10-35	DT8
GTL-AL35/CU25	AL35/CU25	72.5	8.5	16	7	10	80x8	ML10-35	DT10
GTL-AL50/CU25	AL50/CU25	75	9.0	20	7	10	50x8	ML50-95	DT10
GTL-AL50/CU35	AL50/CU35	75	9.0	20	8.2	12.5	50x8	ML50-95	DT12
GTL-AL70/CU35	AL70/CU35	75	10.9	20	8.2	12.5	50x8	ML50-95	DT12
GTL-AL70/CU50	AL70/CU50	81	10.9	20	10	14.5	50x8	ML50-95	DT14
GTL-AL70/CU70	AL70/CU70	83	10.9	20	11.5	16.5	30x8	ML50-95	DT16
GTL-AL70/CU120	AL70/CU120	91	10.9	20	15.5	21	30x8	ML50-95	DT20
GTL-AL95/CU50	AL95/CU50	81	12.4	20	10	14.5	45x8	ML50-95	DT14
GTL-AL95/CU70	AL95/CU70	83	12.4	20	11.5	16.5	45x8	ML50-95	DT16

Technical diagram illustrating dimensions and crimping die requirements for various conductor sizes.

Common Size Specifications

Type	Al Conductor (mm ²)	Cu Conductor (mm ²)	Length (mm)
GTL-AL16/CU10	16	10	66.5
GTL-AL50/CU25	50	25	75
GTL-AL120/CU70	120	70	99
GTL-AL185/CU95	185	95	107
GTL-AL300/CU300	300	300	159.5