

Pre-Insulated Wire Connector 10-150mm²

This pre-insulated sleeve features an aluminum sleeve with a stop in the middle and a black thermoplastic sealed with a flexible elastomer ring. It is waterproof and provides a mechanical resistance of 50% of the cable breaking load.



ADDITIONAL IMAGES



Overview



High-quality pre-insulated tube connectors suitable for 10-150mm² wire sizes, featuring anti-pressure and waterproof properties.

High-Performance Pre-Insulated Connectors

These pre-insulated sleeves are engineered for secure electrical connections in power transmission and distribution systems, featuring an aluminum sleeve with a central stop. Each tube is filled with neutral contact grease to improve contact area and prevent oxidation, while a black thermoplastic shell and elastomer ring provide a robust waterproof seal. Designed for reliability, these connectors withstand mechanical loads up to 50% of the cable's breaking strength and are easily installed via crimping on the marked plastic body.

Technical Capabilities

Conductor Range

10 mm²

Min Section

150 mm²

Max Section

Mechanical Resistance

50% of cable breaking load

Protection Features

Waterproof, Anti-pressure, Anti-oxidation, Pre-insulated

Material Specifications



Comprehensive range of copper and aluminum lugs and pre-insulated sleeves for various electrical applications.

Tube Materials

- Aluminium tube (Compression connectors for phase)
- Aluminium alloy tube (Compression connectors for neutral)
- Black thermoplastic insulation
- Flexible elastomer sealing ring
- Neutral contact grease

Material Compatibility

Alu/Alu • Alu/Cu • Cu/Cu

Size & Color Coding

Color Identification by Cross-Section

Cross Section (mm ²)	Color Mark
10	Green
16	Blue
25	Orange
35	Red
50	Yellow
54.6	Black
70	White
80	Milk White
95	Grey
120	Pink
150	Purple

Dimensional Data

Model Dimensions

Section (mm ²)	Conductor Ø (mm)	Tube Length (mm)
10	4.3	71
16	5	71
25	6.5	71
35	8	102
50	9	102
70	11	102
95	12.5	135
120	14	135
150	15.5	135
185	10	178