

sofamel

Product technical specifications

Model ABT

Insulating piercing connectors 6KV

Product Features

ABT-CT insulation piercing connectors are applicable for all types of LV-ABC conductors, as well as connections in the service line system, building electrical system, and public lighting system. Installation of ABT-CT can be easily done by tightening the bolts to force the teeth to penetrate the insulation of the main line and the bypass line simultaneously. Peeling of insulation on both lines is avoided.

Insulation grade: IP4

- Main line: insulated aluminum wire.
- Tap line: insulated aluminum wire or insulated copper wire
- The body is made of high strength and weather resistant material.
- Specially designed cutting head bolt allows efficient installation with specific tightening torque.
- The constant force ensures that the teeth penetrate the cable without damaging the mechanical strength of the conductor.
- Elastic seal and silicone grease are applied to ensure excellent waterproofing and corrosion resistant performance.
- The end cap is attached to the body. No loose parts could come off during installation.





Raw material characteristics

ABT Insulation Piercing Connectors are made of glass-filled polyamide 6.6. The serrated tabs are made of brass with a tinned surface finish to improve electrical contact.

Drill connection of main and branch cable.

References

REFERENCIA	Conductor principal (mm ²)	Conductor derivado (mm ²)	Nº Tornillos	Par de apriete (Nm)
ABT/CT-35/6	10-35	1,5-6	1	9
ABT/CT-95/10	10-95	1,5-10	1	9
ABT/CT-95/35	16-95	2,5-35	1	15
ABT/CT-150/35	35-150	6-35	1	17
ABT/CT-95/95	25-95	25-95	1	18
ABT/CT-150/150	35-150	35-150	2	17
ABT/CT-185/185-2	35-185	35-185	2	20
ABT/CT-240/240-2	95-240	95-240	2	25

Certificates

EN 50483-4 Test requirements for low voltage braided overhead network accessories. Part 4: Connectors.

NI 58.24.01 Insulation piercing connectors

NF-C33-090-1 Low voltage underground connection equipment with insulation perforation fittings