

CURRENT CARRYING CATENARY DROPPER

MECHANICAL AND ELECTRICAL CONNECTION BETWEEN MESSENGER AND CONTACT WIRE

KEY FEATURES

- Articulated conducting tightening kit on upper and lower part
- Avoid the distribution connections
- High electrical performances
- Mechanical resistance under traction:
 - Cyclic mechanical strength (2 Mil. Cycles /22 kg weight)
 - Mechanical oscillation test (5 Mil. Cycles)
- Dismountable system on messenger and contact wire
- Reliable and safe
- Breaking load > 6000 N

TE Connectivity's (TE) current carrying catenary dropper provides a mechanical connection between the messenger and the contact wires for catenary system 25 kV AC. It distributes also the current along the catenary to avoid additional connection to supply the power.

The clamps are made of two half clamps to be connected on the catenary wires, one articulated eye lug fitted on the half clamp to link both sides of the dropper, one wire to make equipotential junction between half clamps and half lugs.

Dropper clamps are made of Cupro-aluminum material and wire between dropper clamps is in copper alloy.

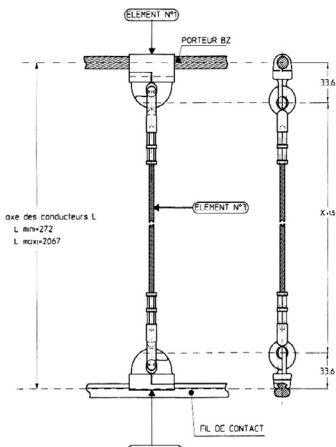
Different clamp versions are available to be in line with dimensions of catenary wires for:

- Messenger wire 65,4 or 116,2 mm²
- Contact wire type A or B according to EN 50-149

This connection dropper can be delivered fully assembled and adjusted at the right length or clamps for messenger and contact wires can be supplied not assembled together.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

CURRENT CARRYING CATENARY DROPPER



MANUFACTURING PROCESS FOR DROPPER ASSEMBLED

- Special semi-automatic machine
- 100% traction tested
- 100% cut to lengths
- Individual labelling with identification of length and position between two poles

The current carrying catenary dropper is SNCF RESEAU approved and is in accordance with NF C 66-800 and NF C 34-110-2

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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