

MV90- 15kv Aluminum 100% IL

TRXLPE- 100% Insulation Level



TECHNICAL DATA

| | |
|--|---|
| Temperature range | -40°C to + 90°C |
| Permissible operating temperature of the conductor | +90°C |
| Short circuit temperature at the conductor | +250°C |
| Nominal voltage | 15 kV 100% |
| Test voltage | 35 kV |
| Minimum bending radius | flexible 15x Outer-Ø fixed 12x Outer-Ø |

■ CABLE STRUCTURE

- Conductor: Electrolytic compressed aluminium class B (Water-blocking)
- Conductor screen: Semi-conductive extruded layer
- Insulation: TR-XLPE
- Insulation screen: Semi-conductive extruded layer, easy strippable.
- Concentric neutral: Plain annealed copper wire
- Overall jacket: LLDPE

- Insulation: TR-XLPE
- Outer sheath: LLDPE
- Sheath colour: black with red stripe

■ PROPERTIES

- direct burial
- UV resistant

■ TESTS

- CSA C68.5
- ICEA S94-649
- AEIC CS8
- UL1072

■ APPLICATION

Used for medium voltage installations or distribution networks both indoors and outdoors. For the supply of transformer stations, infrastructure, wind turbines, solar parks, factory plants, data centers along with others.

| Part no. | AWG | Outer Ø mm, approx. | Copper Concentric Neutral | | Weight kg / km, approx. | Max. DC resistance at 20°C Ω/km |
|----------|-----------|---------------------------|---------------------------|--------|-------------------------------|------------------------------------|
| | | | No. x Dia. | Type | | |
| 18089506 | 350 kcmil | 35.9 | 16 x 2.05 | 1/2 CN | 1776.0 | 0.166 |
| 18089507 | 750 kcmil | 46.0 | 15 x 2.59 | 1/3 CN | 2975.0 | 0.0774 |