



MV90- 25kv 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	25 kV 100%
Test voltage	52 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 (UV resistance)

- 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		
18089498	1/0	30.9	16 x 1.63	Full CN	1133.0	0.55
18089499	2/0	32.8	13 x 2.05	Full CN	1330.0	0.436
18089500	250 kcmil	36.8	14 x 1.63	1/3 CN	1544.0	0.232
18089501	500 kcmil	44.6	16 x 2.05	1/3 CN	2433.0	0.116