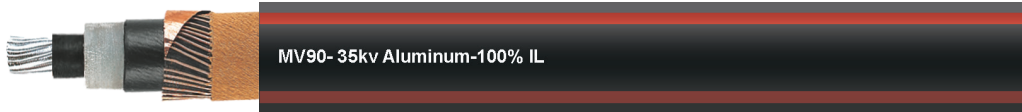




MV90- 35kv Aluminum-100% IL

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	35 kV 100%
Test voltage	69 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		
18089475	4/0	40.6	20 x 2.05	Full CN	2033.0	0.274
18089476	4/0	39.0	18 x 1.29	1/3 CN	1580.0	0.274
18089477	4/0	39.0	9 x 1.29	1/6 CN	1479.0	0.274
18089478	4/0	39.0	6 x 1.29	1/12 CN	1445.0	0.274
18089479	350 kcmil	44.9	18 x 1.63	1/3 CN	2201.0	0.166
18089480	350 kcmil	44.3	14 x 1.29	1/6 CN	1992.0	0.166
18089481	350 kcmil	44.3	6 x 1.29	1/12 CN	1902.0	0.166
18089482	500 kcmil	48.1	24 x 1.63	1/3 CN	2675.0	0.116
18089483	500 kcmil	47.4	20 x 1.29	1/6 CN	2404.0	0.116
18089484	500 kcmil	47.4	10 x 1.29	1/12 CN	2292.0	0.116
18089485	750 kcmil	55.5	21 x 2.59	1/2 CN	3981.0	0.0774
18089486	750 kcmil	54.4	24 x 2.05	1/3 CN	3625.0	0.0774
18089487	750 kcmil	53.5	19 x 1.63	1/6 CN	3219.0	0.0774
18089488	750 kcmil	52.9	15 x 1.29	1/12 CN	2994.0	0.0774
18089489	1000 kcmil	59.2	20 x 2.59	1/3 CN	4462.0	0.058
18089490	1000 kcmil	57.2	25 x 1.63	1/6 CN	3842.0	0.058
18089491	1000 kcmil	56.6	20 x 1.29	1/12 CN	3562.0	0.058
18089492	1250 kcmil	62.7	24 x 2.59	1/3 CN	5192.0	0.0464
18089493	1250 kcmil	60.8	31 x 1.63	1/6 CN	4489.0	0.0464
18089494	1250 kcmil	60.1	25 x 1.29	1/12 CN	4154.0	0.0464
18089495	1500 kcmil	64.6	24 x 2.05	1/6 CN	5175.0	0.0387