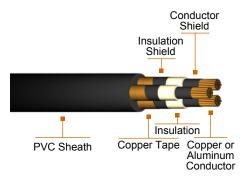


MV - 90 15 KV 3C

15 kV Copper Conductor, XLPE Insulation, Copper Tape Shield, and Outer PVC Jacket



Detail Description or Construction

Conductor

Round stranded copper conductor

Conductor Shield

Thermosetting extruded semi-conducting compound

Insulation

100% or 133% Cross-linked Polyethylene (XLPE) 90°C

Insulation Shield

Thermosetting extruded semi-conducting compound, easy of stripping

Metallic shield

Copper tape or uncoated copper wires Jacket

PVC

Application

Primary power and distribution circuits in industrial, commercial and power circuit generating plants.

Single conductors cables, 1/0 AWG and larger, can be marked for CT Use to be installed in ladder cable tray, according NEC Article 318.

MV-90 cable with water blocking conductor and water blocking tapes, are specially designed to be installed in high humid installations.

Standards / Testing Specifications

• ICEA S - 93 - 639.

Marking

PHELPS DODGE SIZE (AWG OR MCM) 15 KV (INSULATION LEVEL) XLPE-PVC.

Installation

MV-90 cables may be installed in wet or dry locations at maximum operating temperature of 90°C for normal operation; 130°C for emergency and 250°C for short circuit conditions. Cables may be installed indoor and outdoor, exposed to sunlight, in raceway, conduit, duct or aerially supported by a messenger and directly buried according NEC 250-51.



MV - 90 15 KV 3C

15 kV Copper Conductor, XLPE Insulation, Copper Tape Shield, and Outer PVC Jacket

15 KV MV-90 3C							
Conductor Size	Minimum Number of Wires	Thickness of Sheath	Overall Diameter (approx.)	Cable Weight (approx) kg / km		Minimun Bending Radii	Standard Packing
AWG / MCM		mm	mm	Cu	AI	mm	m / reel
INSULATION LEVEL: 100%, THICKNESS OF INSULATION: 4,45 mm.							
2	7	2.79	52	3,230	2,540	370	1000
1	18	2.79	54	3,640	2,780	380	1000
1/0	18	2.79	56	4,130	3,050	400	1000
2/0	18	2.79	59	4,740	3,370	420	1000
3/0	18	2.79	62	5,470	3,750	440	1000
4/0	18	2.79	66	6,400	4,230	470	1000
250	35	2.79	69	7,260	4,690	490	500
350	35	3.56	78	9,650	6,040	550	500
500	35	3.56	86	12,610	7,450	610	500
INSULATION LEVEL: 133%, THICKNESS OF INSULATION: 5,60 mm.							
2	7	2.79	56	3,640	2,960	400	1000
1	18	2.79	59	4,070	3,210	420	1000
1/0	18	2.79	62	4,590	3,500	440	1000
2/0	18	2.79	64	5,210	3,840	450	1000
3/0	18	2.79	67	5,960	4,240	470	1000
4/0	18	2.79	70	6,920	4,740	500	1000
250	35	2.79	75	7,940	5,360	530	500
350	35	3.56	83	10,250	6,650	580	500
500	35	3.56	90	13,270	8,110	640	500