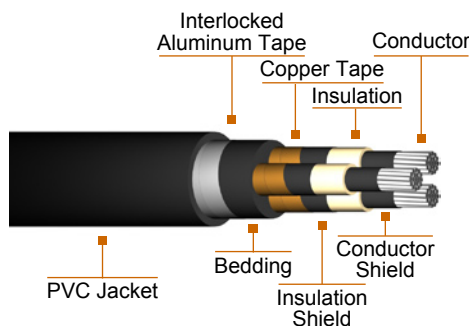


MV - 90 MC 15 KV 3C

15 kV Copper or Aluminum Conductor, XLPE Insulation, Copper Tape Shield, Interlocked Aluminum Tape Armor (available Galvanized Steel Tape), and outer PVC Jacket



Detail Description or Construction

Conductor

Round stranded copper or aluminum 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

Metalic Shield

Copper tape or uncoated copper wires

Bedding

PVC

Aarmor

Interlocked Aluminum tape

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 MC.**

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.



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Conductor Size AWG or MCM	Minimum Number of Wire	Thickness of Sheath mm	Overall Diameter (approx) mm	Cable Weight (approx) kg / km		Minimum Bending Radii mm	Standard Packing m / reel
				Cu	Al		
INSULATION LEVEL: 100%, THICKNESS OF INSULATION: 4,45 mm.							
2	7	2.03	62	5,635	4,950	440	1000
1	19	2.03	64	6,150	5,290	450	1000
1/0	19	2.03	67	6,755	5,670	470	1000
2/0	19	2.41	70	7,590	6,225	500	1000
3/0	19	2.41	73	8,460	6,735	510	1000
4/0	19	2.41	76	9,555	7,380	540	1000
250	37	2.41	80	10,570	7,995	570	500
350	37	2.41	88	13,215	9,610	620	500
500	37	2.79	97	16,685	11,530	680	500
INSULATION LEVEL: 133%, THICKNESS OF INSULATION: 5,60 mm.							
2	7	2.03	67	6,266	5,584	470	1000
1	19	2.41	69	6,917	6,056	485	1000
1/0	19	2.41	73	7,538	6,452	508	1000
2/0	19	2.41	75	8,281	6,916	524	1000
3/0	19	2.41	78	9,171	7,446	547	1000
4/0	19	2.41	81	10,289	8,113	570	1000
250	37	2.41	86	11,520	8,943	601	500
350	37	2.79	94	14,187	10,582	655	500
500	37	2.79	101	17,565	12,412	708	500