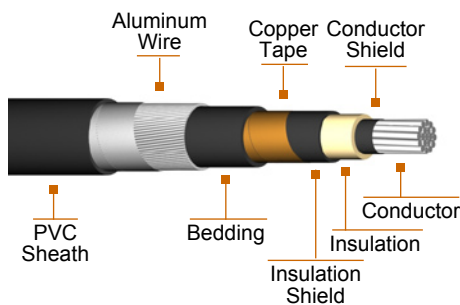


MV - 90 AWA 15 KV 1C

15 kV, XLPE Insulation, Copper Tape Shield, Aluminum Wire Armor, and Outer PVC Jacket



Detail Description or Construction

Conductor

Round stranded Aluminum or 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

Bedding

PVC

Aarmor

Aluminum wire armor

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 AWA.

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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MV - 90 AWA 15 KV 1C							
Conductor Size	Minimum Number of Wires	Thickness of Sheath	Overall Diameter (approx)	Cable Weight (approx)		Minimum Bending Radii	Standard Packing
				kg / km			
AWG / MCM		mm	mm	Cu	Al	mm	m / reel
INSULATION LEVEL: 100%, THICKNESS OF INSULATION: 4.45 mm							
2	7	1.65	34	1,495	1,265	410	1000
1	18	1.65	35	1,630	1,345	430	1000
1/0	18	1.65	36	1,785	1,435	440	1000
2/0	18	1.65	37	1,980	1,535	450	1000
3/0	18	1.65	39	2,214	1,655	470	1000
4/0	18	1.65	41	2,515	1,805	490	1000
250	35	1.65	43	2,860	2,015	520	500
350	35	2.03	47	3,605	2,430	570	500
500	35	2.03	51	4,535	2,850	610	500
750	58	2.03	57	6,525	3,995	690	500
1000	58	2.03	63	8,060	4,705	760	500
INSULATION LEVEL: 133%, THICKNESS OF INSULATION: 5.60 mm							
2	7	1.65	36	1,625	1,405	440	1000
1	18	1.65	37	1,765	1,485	450	1000
1/0	18	1.65	39	1,930	1,570	470	1000
2/0	18	1.65	40	2,130	1,680	480	1000
3/0	18	1.65	42	2,435	1,870	510	1000
4/0	18	1.65	44	2,735	2,030	530	1000
250	35	2.03	46	3,125	2,285	560	500
350	35	2.03	50	3,775	2,600	600	500
500	35	2.03	53	4,715	3,030	640	500
750	58	2.03	59	6,740	4,215	720	500
1000	58	2.03	65	8,290	4,935	780	500