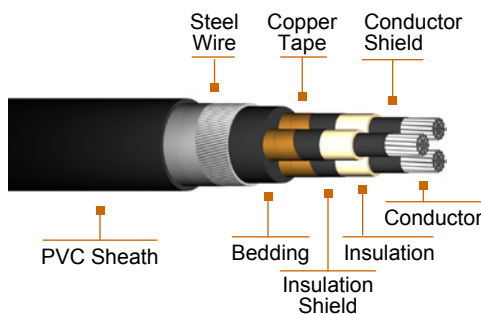


MV - 90 SWA 5 KV 3C

5 kV Aluminum Conductor, XLPE Insulation, Copper Tape Shield, Steel Wire Armor, and Outer PVC Jacket



Detail Description or Construction

Conductor

Round stranded 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

Metallic Shield

Copper tape or uncoated copper wires

Bedding

PVC

Armor

Steel 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)
5 KV (INSULATION LEVEL) XLPE-PVC.**

Installation

Cable can be installed in aerial, direct burial, conduit, open tray and underground duct. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safe guarding of persons and the integrity of the product will not be affected by deficiencies in the installation.



MV - 90 SWA 5 KV 3C

5 kV Aluminum Conductor, XLPE Insulation, Copper Tape Shield, Steel Wire Armor, and Outer PVC Jacket

15 KV MV - 90 SWA 3C

Conductor Size	Minimum Number of Wires	Thickness of Sheath	Overall Diameter (approx.)	Cable Weight (approx)		Minimum Bending Radii	Standard Packing
				kg / km			
AWG or MCM		mm	mm	Cu	Al	mm	m / reel

INSULATION LEVEL: 100%, THICKNESS OF INSULATION: 4,45 mm.

2	7	2.03	62	7,655	6,975	740	1000
1	18	2.03	65	8,250	7,390	780	1000
1/0	18	2.03	67	8,925	7,840	810	1000
2/0	18	2.41	70	9,835	8,470	850	1000
3/0	18	2.41	75	13,540	11,815	900	1000
4/0	18	2.41	78	14,880	12,705	940	1000
250	35	2.41	81	16,150	13,575	980	500
350	35	2.79	90	21,280	17,680	1,100	500
500	35	2.79	101	28,830	23,675	1,220	500

INSULATION LEVEL: 133%, THICKNESS OF INSULATION: 5,60 mm.

2	7	2.03	67	8,445	7,760	810	1000
1	18	2.41	70	9,160	8,295	850	1000
1/0	18	2.41	74	12,575	11,490	890	1000
2/0	18	2.41	77	13,500	12,135	930	1000
3/0	18	2.41	79	14,585	12,860	950	1000
4/0	18	2.41	84	15,950	13,775	1,010	1000
250	35	2.41	88	17,495	14,925	1,060	500
350	35	2.79	97	22,535	18,935	1,170	500
500	35	2.79	101	30,310	25,155	1,270	500