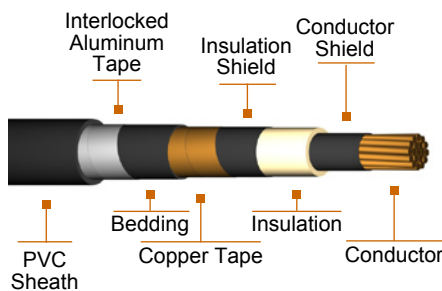


MV - 90 MC 25 KV 1C

25 kV Copper Conductor, XLPE Insulation, Copper Tape Shield, Interlocked Aluminum Tape Armor, 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

Bedding

PVC

Armor

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)
25 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.



MV - 90 MC 25 KV 1C

25 kV Copper Conductor, XLPE Insulation, Copper Tape Shield, Interlocked Aluminum Tape Armor, and Outer PVC Jacket

25 KV MV - 90 MC 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: 6,60 mm							
1/0	18	1.65	42	1,985	1,631	506	1,000
2/0	18	1.65	44	2,185	1,739	522	1,000
3/0	18	1.65	45	2,468	1,904	544	1,000
4/0	18	2.03	48	2,865	2,154	574	1,000
250	35	2.03	49	3,144	2,302	592	500
350	35	2.03	52	3,798	2,620	628	500
500	35	2.03	57	4,950	3,265	684	500
750	58	2.03	63	6,532	4,008	752	500
1,000	58	2.03	67	7,998	4,642	802	500
INSULATION LEVEL: 133%, THICKNESS OF INSULATION: 8,76 mm							
1/0	18	2.03	48	2,370	2,020	730	1,000
2/0	18	2.03	50	2,580	2,135	750	1,000
3/0	18	2.03	51	2,825	2,265	760	1,000
4/0	18	2.03	53	3,150	2,435	800	1,000
250	35	2.03	55	3,635	2,795	830	500
350	35	2.03	58	4,310	3,130	880	500
500	35	2.03	63	5,340	3,660	950	500
750	58	2.41	68	6,995	4,470	1,030	500
1,000	58	2.41	73	8,485	5,130	1,090	500