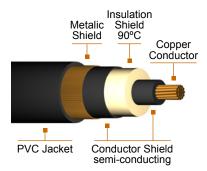


15 kV Copper Conductor, XLPE Insulation, Metallic Shield and Outer PVC Jacket



Detail Description or Construction

Conductor

Compacted copper conductor class B

Conductor Shield

Thermosetting extruded semi-conducting compound

Insulation

100% or 133% Cross-linked Polyethylene (XLPE) 90°C extruded in a real triple extrusion process

Insulation shield

Thermosetting extruded semi-conducting compound, adequate adhesion to the insulation and easy of stripping

Metallic shield

Uncoated helically applied copper wires or copper tape, as requested

Jacket

Extruded black sunlight resistant, flame retardant, oils resistant PVC jacket with excellent mechanical properties

Packaging

Non-returnable wooden drums

Options

- Compressed conductors
- · Filled strand
- Tree retardant XLPE compound
- Copper tapes metallic shield
- Halogen free jacket
- CT USE applications
- Water blocking tapes
- Black Polyethylene Jacket

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.

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Standards / Testing Specifications

 MV-90 meets or exceeds the requirements of ICEA S-93-639, AEIC CS5, UL 1072, Articles 310 and 326 of National Electrical Code.

Marking

Sunlight resistant and for CT Use.

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.

Packing

Non Returnable wooden reel with 300 m standard lengths or according reel capacity and minimum bending radius.

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MV90 15KV 100% INSULATION LEVEL										
Conductor	Camaluatan	la sulation	la avilatia a	laakat	Total	Total Weight	Ampacity (A)			
Size	Conductor Diameter	Insulation Thickness	Insulation Diameter	Jacket Thickness	OD		Buried Duct 20°C Amb.	Free Air 40°C Amb. Temp		
AWG / MCM	mm	mm	mm	mm	mm	kg / km	Temp			
2	6.9	4.45	17.3	2.03	25.7	880	155	195		
1	7.8	4.45	18.1	2.03	26.7	981	175	225		
1/0	8.8	4.45	19.1	2.03	27.7	1,111	200	260		
2/0	9.8	4.45	20.1	2.03	28.8	1,272	230	300		
3/0	11.0	4.45	21.3	2.03	30.1	1,461	260	345		
4/0	12.4	4.45	22.7	2.03	31.5	1,706	295	400		
250	13.4	4.45	23.8	2.03	32.9	1,936	325	445		
350	15.9	4.45	26.7	2.03	36.1	2,515	390	550		
500	19.3	4.45	30.1	2.03	39.0	3,302	465	685		
750	24.7	4.45	36.4	2.79	47.6	5,011	565	885		
1000	28.5	4.45	40.2	2.79	52.6	6,438	640	1060		

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

MV90 15KV 133% INSULATION LEVEL											
Conductor	Conductor	Insulation	Insulation	Jacket	Total	Total Weight	Ampacity (A)				
Size	Diameter	Thickness	Diameter	Thickness	OD		Buried Duct 20°C Amb.	Free Air 40°C Amb. Temp			
AWG / MCM	mm	mm	mm	mm	mm	kg / km	Temp				
2	6.9	5.46	19.3	2.03	27.8	960	155	195			
1	7.8	5.46	20.3	2.03	28.8	1,071	175	225			
1/0	8.8	5.46	21.2	2.03	29.8	1,206	200	260			
2/0	9.8	5.46	22.3	2.03	30.9	1,376	230	300			
3/0	11.0	5.46	23.5	2.03	32.2	1,569	260	345			
4/0	12.4	5.46	24.8	2.03	33.6	1,818	295	400			
250	13.4	5.46	26.0	2.03	35.6	2,098	325	445			
350	15.9	5.46	28.7	2.03	38.2	2,644	390	550			
500	19.3	5.46	32.0	2.03	41.0	3,439	465	685			
750	24.7	5.46	38.4	2.79	50.7	5,282	565	885			
1000	28.5	5.46	42.1	2.79	54.6	6,625	640	1060			

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