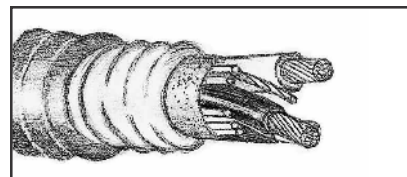


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INTERLOCKED ARMOR POWER CABLE, 15000 VOLTS

3 Conductor, EPR Insulated, Aluminum or Steel Armor, Type MV-90 & Type MC, CT Use, 133% Insulation Levels

Application: As armored Type MV-90 cable for installation indoors or outdoors, aerially or in rack, tray, trough, cable trays, or direct buried; for power circuits not exceeding 15000 volts phase to phase at conductor temperatures of 90°C for continuous operation, 130°C for emergency overload conditions and 250°C for short circuit conditions, in manufacturing and processing plants, substations and generating stations. May be used in NEC Class I and II, Div. 2 and Class III, Div. 1 and 2 hazardous locations. **Specifications:**

- **Conductor:** 3 conductors of stranded annealed uncoated copper Class B per Part 2 of ICEA.
- **Conductor Shield:** Extruded thermosetting compound covering the conductor firmly bonded to the cable insulation, meeting requirements of Par. C. 2 and resistivity requirements of Par. C.5 of AIEC CS6 with average thickness in accordance with Table C-1 of AIEC.
- **Insulation:** EPR, the average thickness being 220 mils. Minimum thickness at any point shall be not less than 90% of the specified thickness, physical and electrical properties of the insulation shall be in accordance with Paragraph 3.6 of ICEA.
- **Shielding:** Extruded thermosetting insulation shield, thickness being in accordance with Table C3 of AIEC CS6 and meeting requirements of Par. C.5 of AIEC CS6 with an uncoated copper tape applied helically with minimum lap of 12.5%.
- **Phase Identification:** Colored tape (1/C black, 1/C red, 1/C blue) applied longitudinally under the copper shielding tape.
- **Assembly:** 3 phase conductors shall be cabled together with a Class B stranded, uncoated copper grounding conductor and suitable fillers to make round. Length of lay shall not exceed 35 times the phase conductor diameter. The grounding conductor shall comply with the requirements of UL Standard 1072.
- **Cable Tape:** A suitable cable tape shall be applied over the assembly to hold the core together and provide bedding for the armor.
- **Armor:** An aluminum or galvanized steel interlocked armor shall be applied over the cable core and armor shall be in accordance with UL Standard 1072 and Part 4 of ICEA.
- **Covering:** An extruded covering of PVC shall be applied over the armor meeting the Sunlight Resistant requirements of UL with the average thickness and properties of the PVC covering shall be specified in Part 4 of ICEA and minimum thickness at any point shall be not less than 70% of the required average thickness.
- **Identification:** An ink print legend shall be applied to the surface of the PVC covering providing cable and manufacturer identification.
- **Tests:** tested in accordance with AIEC CS6, ICEA S-68-516, UL Standard 1072, passing UL and IEEE-1202 and ICEA 210,000 BUT/Hr ribbon burner flame tests and is UL listed for CT use.
- **Standards:** UL Standard 1072 for Type MV-90, ICEA Pub. No. S-66-524 and NEMA Pub. No. WC8 for Ethylene propylene rubber insulated Wire and Cable and AIEC CS6 for Ethylene Propylene Rubber Insulated Shielded Power Cables.

Catalog No.	Size AWG or kcmil	No. of Strands	Nominal Diameter Over Insulation (Inches)	Nominal Diameter Over Armor (Inches)	PVC Jacket Thickness Mils	Nominal Diameter Over PVC Jacket (Inches)	Copper Phase Conductors				
							Copper Grounding Conductor AWG	Approx. Net Weight lb/1000ft.		Ampacity *	Ampacity **
								AL Armor	Steel Armor		
P01P10	2	7	.78	2.11	60	2.24	6	2605	3125	145	165
P02P10	1	19	.82	2.20	60	2.33	4	2835	3390	165	185
P03P10	1/0	19	.86	2.28	60	2.41	4	3100	3620	195	215
P04P10	2/0	19	.91	2.39	75	2.55	4	3530	4025	220	245
P05P10	3/0	19	.96	2.50	75	2.66	3	3990	4510	250	285
P06P10	4/0	19	1.02	2.61	75	2.77	3	4615	5200	290	325
P07P10	250	37	1.07	2.79	75	2.95	3	5315	5895	315	360
P08P10	350	37	1.18	3.01	75	3.17	2	6600	7225	385	435
P09P10	500	37	1.30	3.29	85	3.47	1	8710	9350	470	535
P10P10	750	61	1.49	3.67	85	3.85	1/0	11695	12850	570	670

* Ampacity for cables installed in uncovered cable tray without maintained spacing; 90°C conductor temperature, 40°C ambient.

** Ampacity for cables installed in uncovered cable tray without maintained spacing of one cable diameter, 90°C conductor temperature, 40°C ambient. For other installations refer to the NEC

* Shipping Tolerances +/- 10%

1-800-945-5542

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