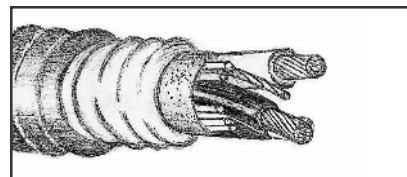


**Little Rock** **Virginia Beach**  
**800-945-5542** **757-361-0207**

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# INTERLOCKED ARMOR POWER CABLE, 5000 VOLTS 3 Conductor, EPR Insulated, Nonshielded, Aluminum or Steel Armor, Type MV-90 or Type MC, CT Use, 100% & 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 5000 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 conducting thermosetting compound covering the conductor firmly bonded to the cable insulation, meeting requirements of Part 2 of ICEA with average thickness of no less than 15 mils and a minimum point of thickness of 12 mils. • **Insulation:** Orange, EPR, the average thickness being 115 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. • **Phase Identification:** The insulated phase conductors shall be printed with numerals "1", "2", and "3" on the surface of the insulation. • **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 UL requirements for Type MV-90 cable and ICEA S-68-516, passing ribbon burner cable tray flame test requirements of UL and shall be UL listed "For CT Use" and comply with the IEEE-1202 flame test (2 AWG and larger). • **Standards:** UL Standard 1072 for Type MV-90, ICEA Pub. No. S-68-516 and NEMA Pub. No. WC8 for Ethylene propylene rubber insulated Wire and Cable

Catalog No.	Size AWG or kcmil	No. of Strands	Insulation Thickness (Mils)	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 *	Ampicity **
								AL Armor	Steel Armor		
P01P6	6	7	115	1.19	50	1.30	6	905	1075	69	79
P02P6	4	7	115	1.29	50	1.40	6	1115	1315	91	105
P03P6	2	7	115	1.42	50	1.53	6	1430	1785	125	140
P04P6	1	19	115	1.50	50	1.61	4	1770	2070	140	160
P05P6	1/0	19	115	1.59	60	1.72	4	2025	2330	165	185
P06P6	2/0	19	115	1.72	60	1.85	4	2390	2800	190	215
P07P6	3/0	19	115	1.83	60	1.96	3	3000	3425	220	250
P08P6	4/0	19	115	1.95	60	2.08	3	3395	3830	255	285
P09P6	250	37	115	2.07	60	2.20	3	3900	4400	280	320
P10P6	350	37	115	2.30	75	2.46	2	5105	5620	350	395
P11P6	500	37	115	2.57	75	2.73	1	6800	7385	425	485
P12P6	750	61	115	2.98	75	3.14	1/0	9400	10000	525	615

\* 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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