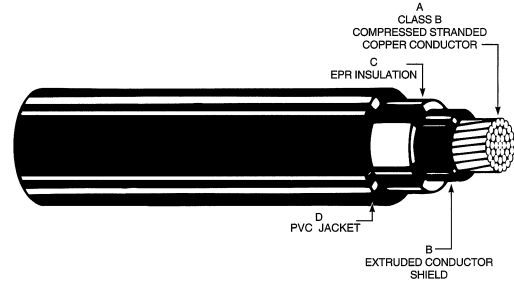


MV-90 POWER CABLE

1/C 2.4kV EPR N/S

EPR Insulation with PVC Jacket - Non-Shielded
6 AWG - 750 KCMIL • Single Conductor • 90°C Wet or Dry Locations



PWC Catalog #	Size	No. of Strds.	Nom. Cond. Diameter (Inches)	Min. Avg. Insul. Wall (Inches)	Nom. Insul. Diameter (Inches)	Min. Avg. Jacket Thick. (Inches)	Approx. O.D. (Inches)	Approx. Net Weight (Lbs./M Ft.)	Allowable Ampacities+ (Amps)
	AWG or kcmil								
03-0247	6	7	0.181	0.125	0.450	0.080	0.605	231	75
03-0248	4	7	0.228	0.125	0.495	0.080	0.650	296	97
03-0249	2	7	0.287	0.125	0.555	0.080	0.710	396	130
03-0250	1	19	0.327	0.125	0.595	0.080	0.750	465	155
03-0251	1/0	19	0.367	0.125	0.635	0.080	0.790	548	180
03-0252	2/0	19	0.412	0.125	0.680	0.080	0.835	648	205
03-0253	4/0	19	0.520	0.125	0.790	0.095	0.975	959	280
03-0254	250	37	0.566	0.140	0.865	0.110	1.080	1153	315
03-0255	350	37	0.670	0.140	0.970	0.110	1.185	1512	385
03-0256	500	37	0.800	0.140	1.100	0.110	1.315	2103	475
03-0257	750	61	0.983	0.155	1.320	0.125	1.555	2971	600

+ Ampacities are based on three single conductor cables in isolated conduit in air. Conductor temperature of 90°C and ambient air temperature of 40°C per Table 310.73 of the 2008 NEC.

2.4kV Type MV-90 CABLE CONSTRUCTION

Conductor	Compressed class B stranded annealed Tinned copper.
Conductor Shield	Nylon semi-conducting tape.
Insulation	90°C rated Ethylene Propylene Rubber (EPR) per ICEA S-96-659 part 3.
Jacket	Extruded PVC jacket with excellent mechanical properties per ICEA S-96-659, part 5.
Tests	The finished cable shall be tested in accordance with the requirements of ICEA S-96-659 and UL-1072.
Optional Constructions	Consult factory for cable specifications with alternate constructions or materials.

APPLICATIONS:

UL listed and OSHA acceptable. Where NEC requirements apply, cables are suitable for use in wet or dry locations at maximum operating temperature of 90°C for normal operation; 130°C for emergency overload conditions; and 250°C for short circuit conditions. Cables may be installed in conduit, duct or aerially when properly supported by a messenger.

SCOPE:

This specification covers non-shielded, single conductor cables having stranded, coated copper conductors; taped semi-conducting strand shield; ethylene propylene rubber (EPR) insulation; and polyvinyl chloride (PVC) jacket. Cables are rated 2,400 volts, 90°C in wet or dry locations, and meet the requirements of ICEA S-96-659 (NEMA WC 71), Article 328 and 310 of the National Electrical Code, and UL-1072.

»The data listed above is approximate and subject to change without notice.



PITTSBURGH WIRE & CABLE INC.

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