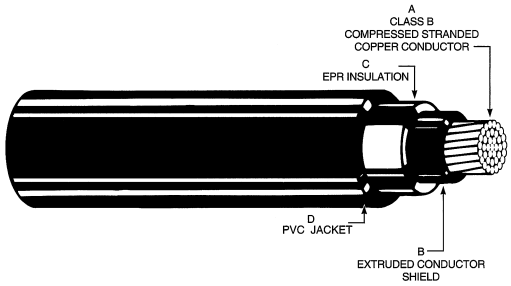
MV-90 POWER CABLE

1/C 2.4kV EPR/PVC N/S

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



PWC Catalog #	Size AWG or kcmil	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)
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.