

MEDIUM VOLTAGE POWER CABLE

TYPE MV-90 - UNSHIELDED XLP POWER CABLE, 5000 VOLT

Construction

Conductor:

- Compressed class B stranded annealed uncoated copper.

Conductor Shield:

- Nylon semi-conducting tape.

Insulation:

- 90°C rated black crosslink polyethylene (XLP) per ICEA S-96-659 part 3.

Tests:

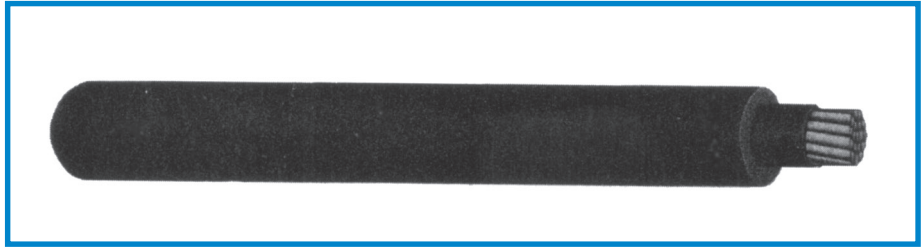
- The finished cable shall be tested in accordance with the requirements of ICEA S-96-659 and UL-1072.

Application:

- UL listed and OSHA acceptable.
- Where NEC requirements apply, cables are suitable for use in 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 or duct.

Industry Approvals:

- Listed by UL as 5,000 volt non-shielded cable, Type MV-90 Dry, per UL Standard 1072.
- 90°C for Dry Locations.
- Conforms to ICEA Pub. No. S-66-524 and NEMA Pub. No. WC7 for Crosslinked-thermosetting-polyethylene-insulated Wire and Cable.



CUSTOM CATALOG NUMBER	SIZE	NO. OF STRANDS	NOM. INSUL. THICKNESS	NOMINAL O.D.	CURRENT	APPROX. NET WEIGHT
	AWG/MCM		INCHES	INCHES	AMPS ²	LBS/MFT
5000 VOLTS, UNSHIELDED, DRY LOCATIONS ONLY - 90°C						
13400	8	7 ⁽¹⁾	0.110	.390	90	55
13401	6	7	0.110	.425	75	132
13402	4	7	0.110	.470	97	188
13403	2	7	0.110	.530	130	274
13404	1	19	0.110	.590	155	325
13405	1/0	19	0.110	.610	180	416
13406	2/0	19	0.110	.655	205	510
13407	3/0	19	0.110	.700	241	600
13408	4/0	19	0.110	.765	280	760
13409	250	37	0.120	.830	315	910
13410	350	37	0.120	.935	385	1240
13411	500	37	0.120	1.065	475	1730
13412	750	1	0.130	1.265	600	2534
13413	1000	61	0.130	1.410	3320	690

- 2001 to 5000 volts at 100% insulation level and 2001 to 3000 volts at 133% insulation level (ICEA S-96-659, table 4-2).
- 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 2002 NEC.

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Custom Cable Corp.

