TYPE MV-90 - SHIELDED XLP POWER CABLE, 133% INSULATION LEVEL, 15000 VOLT

Construction

Conductor:
- Compressed class B stranded annealed uncoated copper.

Conductor Shield:
- Extruded semi-conducting co-polymer compound.

Insulation:
- 90°C rated Cross-linked Polyethylene (XLPE) per ICEA S-93-639 section 4 and UL-1072.

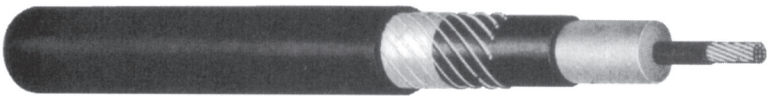
Insulation Shield:
- Extruded semi-conducting co-polymer compound applied directly over the insulation. The conductor shield, insulation and insulation shield are applied in one tandem operation.

Shield:
- Uncoated helically applied copper wires.

Jacket:
- Extruded PVC jacket with excellent mechanical properties. Jacket is UL recognized as being "sunlight resistant."

Tests:
- The finished cable shall be tested in accordance with and meet the requirements of ICEA S-93-639, UL-1072, and AEIC CS-5.

Industry Approvals:
- Listed by UL as 5000-volt power cable, Type MV-90, per UL Standard 1072.
- Conforms to ICEA Pub No. S-66-524 and NEMA Pub. No. WC7 for Crosslinked-thermosetting-polyethylene-Insulated Wire and Cable.
- Sizes 8-4 AWG with copper conductor approved under FAA AC 150/5345-7D, Specification L-824 Airport Lighting Cable, Type C.
- Conforms to Federal specification J-C-30B.



CUSTOM CATALOG NUMBER	CONDUCTOR		NOMINAL THICKNESS (INCHES)		APPROX. O.D.	AMPS			APPROX. NET WEIGHT
	AWG/MCM	STRAND	INSULATION	JACKET	INCHES	DIRECT BURIAL[1]	DUCT[2]	AIR[3]	LBS/MFT
8001-15000 VOLTS, SHIELDED, 133% INSULATION LEVEL (UNGROUNDED NEUTRAL)									
13459	2	7	0.220	0.080	1.090	210	155	150	609
13460	1	19	0.220	0.080	1.120	240	175	170	682
13461	1/0	19	0.220	0.080	1.160	275	200	195	774
13462	2/0	19	0.220	0.080	1.205	310	230	225	886
13463	3/0	19	0.220	0.080	1.255	355	260	260	1062
13464	4/0	19	0.220	0.080	1.325	405	295	295	1255
13465	250	37	0.220	0.080	1.390	440	325	330	1411
13466	350	37	0.220	0.080	1.495	535	390	395	1791
13467	500	37	0.220	0.080	1.625	650	465	480	2339
13468	750	61	0.220	0.110	1.885	805	565	585	3341
13469	1000	61	0.220	0.110	2.045	930	640	675	4291

1 Ampacities are based on three single conductor cables directly buried in earth, conductor temperature of 90°C and ambient earth temperature of 20°C per Table 310.81 of the 2002 NEC.

2 Ampacities are based on three single conductor cables in underground electrical duct, conductor temperature of 90°C and ambient earth temperature of 20°C per Table 310.77 of the 2002 NEC.

3 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.

NOTES: a. Upon request, sizes 250 MCM and larger can be manufactured and listed for installation in cable tray.

b. Copper metallic tape shield available on special request.

c. CPE, Neoprene or Hypalon® jacket may also be supplied on special order.

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. Cables are also suitable for direct burial if installed in a system with a grounding conductor that is in close proximity and conforms with Article 250A(A)(5) and 250.4(B)(4) of the 2002 NEC.

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