

2400VOLT POWER CABLE SINGLE CONDUCTOR NONSHIELDED EPR/THERMOSET CPE TYPE MV-90 90DEG C WET OR DRY

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED BARE COPPER.

STRAND SHIELD EXTRUDED NONMETALLIC SEMI-CONDUCTING LAYER.

INSULATION ETHYLENE PROPYLENE RUBBER (EPR).

JACKET FLAME AND MOISTURE RESISTANT BLACK THERMOSETTING CHLORINATED POLYETHYLENE.

Charlotte Wire Part#	Size AWG	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity in *Conduit
CW07041	8	7	.125"	.080"	.59"	197	55
CW07042	6	7	.125"	.080"	.64"	262	75
CW07043	4	7	.125"	.080"	.69"	332	97
CW07044	2	7	.125"	.080"	.76"	438	130
CW07045	1	19	.125"	.080"	.81"	510	155
CW07046	1/0	19	.125"	.080"	.84"	595	180
CW07047	2/0	19	.125"	.080"	.88"	705	205
CW07048	3/0	19	.125"	.080"	.97"	870	240
CW07049	4/0	19	.125"	.080"	1.02"	1023	280
CW07050	250MCM	37	.140"	.110"	1.13"	1215	315
CW07051	350MCM	37	.140"	.110"	1.25"	1550	385
CW07052	500MCM	37	.140"	.110"	1.38"	2132	475
CW07053	750MCM	61	.155"	.125"	1.63"	3100	600
CW07054	1000MCM	61	.155"	.125"	1.78"	3980	690

*Ampacity based on 3 cables in isolated conduit in air, 90Deg C temperature, 40Deg C ambient per NEC Table 310.60(C) (73).

APPLICATION:

Suitable for use as a 2400Volt nonshielded power cable in wet or dry locations at conductor temperatures not exceeding 90Degrees C. Where NEC is not required, cable is also suitable for use in

- 1) metal or nonmetallic conduit in wet or dry locations in conduits up to 2400volts,
- 2) single conductor or triplexed singles in aerial installation with grounded messenger,
- 3) single conductor (mounted on insulators) in indoor/outdoor locations in free air, and
- 4) single conductor or triplexed singles in cable tray in circuits up to 2400volts.

STANDARDS:

UL 1072 for Medium Voltage Cables.
ICEA S-96-659/NEMA WC71 for Nonshielded 2001 - 5KV Cables.
Passes UL&IEEE 70,000BTU Flame Test(1/0 and larger).
NEC Article 392 for CT Use (1/0 and larger).
NEC Articles 310 and 328 for MV-90 Cable Uses and Constructions.