

## 2400VOLT POWER CABLE SINGLE CONDUCTOR NONSHIELDED EPR/PVC 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** SUNLIGHT AND MOISTURE RESISTANT POLYVINYL CHLORIDE (PVC).

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
CW07021	8	7	.125"	.080"	.59"	197	55
CW07022	6	7	.125"	.080"	.64"	262	75
CW07023	4	7	.125"	.080"	.69"	332	97
CW07024	2	7	.125"	.080"	.76"	438	130
CW07025	1	19	.125"	.080"	.81"	510	155
CW07026	1/0	19	.125"	.080"	.84"	595	180
CW07027	2/0	19	.125"	.080"	.88"	705	205
CW07028	3/0	19	.125"	.080"	.97"	870	240
CW07029	4/0	19	.125"	.080"	1.02"	1023	280
CW07030	250MCM	37	.140"	.110"	1.13"	1215	315
CW07031	350MCM	37	.140"	.110"	1.25"	1550	385
CW07032	500MCM	37	.140"	.110"	1.38"	2132	475
CW07033	750MCM	61	.155"	.125"	1.63"	3100	600
CW07034	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.  
NEC Articles 310 and 328 for MV-90 Cable Uses and Constructions.