



“Taking Care of Business”

toll free: 800-929-9473

2400VOLT POWER CABLE SINGLE CONDUCTOR NONSHIELDED XLP TYPE MV-90 90DEG C DRY

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED BARE COPPER.

STRAND SHIELD NONMETALLIC SEMI-CONDUCTING TAPE OR EXTRUSION.

INSULATION CROSSLINKED POLYETHYLENE (XLP).

Charlotte Wire Part#	Size AWG	Number of Strands	Insulation Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity in *Conduit
CW07001	8	7	.110"	.40"	92	55
CW07002	6	7	.110"	.43"	125	75
CW07003	4	7	.110"	.47"	183	97
CW07004	2	7	.110"	.54"	262	130
CW07005	1	19	.110"	.58"	330	155
CW07006	1/0	19	.110"	.62"	400	180
CW07007	2/0	19	.110"	.67"	498	205
CW07008	3/0	19	.110"	.73"	610	240
CW07009	4/0	19	.110"	.77"	755	280
CW07010	250MCM	37	.120"	.84"	892	315
CW07011	350MCM	37	.120"	.94"	1220	385
CW07012	500MCM	37	.120"	1.07"	1684	475
CW07013	750MCM	61	.130"	1.27"	2510	600
CW07014	1000MCM	61	.130"	1.45"	3330	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 2400v nonshielded power cable in dry locations at conductor temperatures not exceeding 90Deg C. Where NEC is not required, cable is also suitable for use in

- 1) metal conduit or trough, above grade, in dry locations,
- 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) airport lighting applications (sizes 8 through 4 only) 90Deg C wet or dry in conduit, duct, aerial, and direct burial per FAA-L-824 Type C.

STANDARDS:

UL 1072 for Medium Voltage Cables.
ICEA S-96-659/NEMA WC71 for Nonshielded 2001-5KV Cables.
NEC Articles 310 & 328 for MV-90 Cable Uses and Constructions.