

5KV POWER CABLE SINGLE CONDUCTOR SHIELDED XLP/PVC JACKET TYPE MV-90 100% OR 133% INSULATION LEVEL

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED BARE COPPER.

STRAND SHIELD NONMETALLIC SEMI-CONDUCTING TAPE OR EXTRUSION APPLIED OVER CONDUCTOR.

INSULATION CROSSLINKED POLYETHYLENE (XLP).

INSULATION SHIELD NONMETALLIC SEMI-CONDUCTING EXTRUSION OR COATING/TAPE APPLIED OVER INSULATION.

METALLIC WIRE SHIELD CONCENTRICALLY APPLIED BARE COPPER WIRES PER ICEA.**

JACKET SUNLIGHT RESISTANT, BLACK POLYVINYL CHLORIDE (PVC).

Charlotte Wire Part#	Size AWG	Strand No.	Insulation Thickness (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity in *Conduit
CW07061	8	7	.090"	.35"	.060"	.59"	154	55
CW07062	6	7	.090"	.39"	.060"	.61"	196	75
CW07063	4	7	.090"	.44"	.060"	.67"	260	97
CW07064	2	7	.090"	.49"	.060"	.72"	350	130
CW07065	1	19	.090"	.53"	.060"	.77"	410	155
CW07066	1/0	19	.090"	.57"	.060"	.79"	486	180
CW07067	2/0	19	.090"	.62"	.080"	.88"	625	205
CW07068	3/0	19	.090"	.67"	.080"	.95"	738	240
CW07069	4/0	19	.090"	.72"	.080"	1.00"	890	280
CW07070	250MCM	37	.090"	.77"	.080"	1.04"	1030	315
CW07071	350MCM	37	.090"	.87"	.080"	1.14"	1365	385
CW07072	500MCM	37	.090"	1.00"	.080"	1.27"	1870	475
CW07073	750MCM	61	.090"	1.18"	.080"	1.45"	2795	600
CW07074	1000MCM	61	.090"	1.33"	.080"	1.62"	3560	690

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

**To specify copper tape shield in place of wire shield, add suffix "CUTP" to Charlotte Wire Part Number.

APPLICATION:

Suitable for use as a 5kv shielded power cable in wet or dry locations at conductor temperatures not exceeding 90Degrees C. Suitable installations include conduit, trough, ducts, aerial, and direct burial.

STANDARDS:

UL 1072 for Medium Voltage Cables.

ICEA S-93-639/NEMA WC74 for Shielded Power Cables.

NEC Articles 310 & 328 for MV-90 Cable uses and constructions.