

15KV POWER CABLE SINGLE CONDUCTOR SHIELDED XLP/PVC JACKET TYPE MV-90 133% 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
CW07201	2	7	.220"	.79"	.080"	1.08"	575	150
CW07202	1	19	.220"	.82"	.080"	1.10"	640	170
CW07203	1/0	19	.220"	.87"	.080"	1.14"	730	195
CW07204	2/0	19	.220"	.91"	.080"	1.19"	845	225
CW07205	3/0	19	.220"	.96"	.080"	1.24"	970	260
CW07206	4/0	19	.220"	1.02"	.080"	1.29"	1140	295
CW07207	250MCM	37	.220"	1.08"	.080"	1.37"	1290	330
CW07208	350MCM	37	.220"	1.18"	.080"	1.46"	1670	395
CW07209	500MCM	37	.220"	1.31"	.080"	1.60"	2180	480
CW07210	750MCM	61	.220"	1.50"	.110"	1.85"	3170	585
CW07211	1000MCM	61	.220"	1.67"	.110"	2.00"	4080	675

*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 as a power cable for circuits up to 15000Volts at 133%(ungrounded) insulation level in wet or dry locations at conductor temperatures not exceeding 90Deg C. Suitable installations include conduit, trough, duct, 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.