

15KV POWER CABLE THREE CONDUCTOR W/GND SHIELDED EPR O/A PVC JACKET TYPE MV-105 CT USE 15KV 133% INSULATION LEVEL

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED ANNEALED BARE COPPER.

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

INSULATION ETHYLENE PROPYLENE RUBBER (EPR).

INSULATION SHIELD SEMI-CONDUCTING EXTRUSION APPLIED DIRECTLY OVER INSULATION.

METALLIC TAPE SHIELD LAPPED COPPER TAPE SHIELD APPLIED DIRECTLY OVER EXTRUDED INSULATION SHIELD.

CARE ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH STRANDED COPPER GROUND WIRE IN ONE OF THE INTERSTICES, SUITABLE FILLERS WHERE NECESSARY, AND OVERALL CABLE BINDER TAPE.

JACKET SUNLIGHT RESISTANT, BLACK POLYVINYL CHLORIDE (PVC).*

Charlotte Wire Part#	Size AWG	Number Of Strands	Insulation Thickness (in.)	Ground Wire Size	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Ampacity in **Duct
CW07281	2	7	.220"	6	.110"	2.08"	2260	160
CW07282	1	19	.220"	4	.110"	2.15"	2580	185
CW07283	1/0	19	.220"	4	.110"	2.23"	2890	210
CW07284	2/0	19	.220"	4	.110"	2.32"	3270	235
CW07285	3/0	19	.220"	3	.110"	2.45"	3760	270
CW07286	4/0	19	.220"	3	.110"	2.55"	4300	305
CW07287	250MCM	37	.220"	3	.110"	2.70"	4940	335
CW07288	350MCM	37	.220"	2	.110"	2.96"	6280	400
CW07289	500MCM	37	.220"	1	.140"	3.22"	8110	485
CW07290	750MCM	61	.220"	1/0	.140"	3.66"	11160	585
CW07291	1000MCM	61	.220"	2/0	.140"	4.08"	14280	660

* To specify low smoke zero halogen polyolefin jacket, add suffix "LS" to Charlotte Wire part number.

**Ampacities are based on three conductors within overall covering in one underground duct, 105C conductor temperature per NEC Table 310.60(C)(79).

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 150Deg 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.

AEIC CS-8 for EPR Insulated Shielded Power Cables.

NEC Article 310 & 328 for MV-105 Cables Uses and Constructions.

NEC Article 392 for CT Use and Sunlight Resistant.

Passes UL and IEEE383 Vertical Flame Test.