

**INTERLOCKED ARMOR CABLE 15KV SHIELDED 133% INS. LEVEL  
3 CONDUCTOR W/GROUND  
EPR INSULATION, ALUMINUM ARMOR, RED PVC JACKET  
TYPE MC, MV-105, CT USE, SUN RESISTANT, DIRECT BURIAL, 105DEG C**

**CONSTRUCTION:**

**CONDUCTOR** CLASS B STRANDED BARE COPPER.

**STRAND SHIELD** EXTRUDED NONMETALLIC SEMI-CONDUCTING LAYER.

**INSULATION** THERMOSETTING ETHYLENE PROPYLENE RUBBER (EPR).

**INSULATION SHIELD** SEMI-CONDUCTING LAYER DIRECTLY OVER INSULATION.

**METALLIC TAPE SHIELD** LAPPER COPPER TAPE SHIELD APPLIED DIRECTLY OVER EXTRUDED INSULATION SHIELD

**CONDUCTOR IDENTIFICATION** PHASE CODED WITH SUITABLE MARKING ON EACH CONDUCTOR.

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

**ARMOR** ALUMINUM INTERLOCKED ARMOR APPLIED OVER CABLE ASSEMBLY.

**OUTER JACKET** SUNLIGHT RESISTANT, FLAME RETARDANT RED PVC APPLIED OVER INTERLOCKED ARMOR.

Charlotte Wire Part#	Size AWG	Insulation Thickness (in.)	Ground Size (AWG)	Armor Diameter (in.)	PVC Jkt Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Amps *
CW08701	2	.220"	1 - #6	2.13"	.060"	2.25"	2580	185
CW08702	1	.220"	1 - #4	2.22"	.060"	2.34"	2800	210
CW08703	1/0	.220"	1 - #4	2.32"	.060"	2.44"	3160	240
CW08704	2/0	.220"	1 - #4	2.41"	.075"	2.56"	3590	275
CW08705	3/0	.220"	1 - #3	2.52"	.075"	2.67"	4000	315
CW08706	4/0	.220"	1 - #3	2.65"	.075"	2.80"	4640	360
CW08707	250MCM	.220"	1 - #3	2.78"	.075"	2.93"	5300	400
CW08708	350MCM	.220"	1 - #2	3.02"	.075"	3.17"	6620	490
CW08709	500MCM	.220"	1 - #1	3.31"	.085"	3.48"	8690	600
CW08710	750MCM	.220"	1 - 1/0	3.70"	.085"	3.87"	11900	745
CW08711	1000MCM	.220"	1 - 1/0	4.06"	.085"	4.23"	14850	860

\*Ampacity based on 3 conductor isolated in air with 105Deg C conductor temperature and 40Deg C ambient temperature per NEC Table 310.60(C)(71).

**APPLICATION:**

Suitable for power circuits rated up to 15000Volts 133% Insulation Level (ungrounded) in industrial, commercial, and utility locations. Per NEC Article 330, may be used 1) indoors or outdoors, 2) raceways and cable tray systems including ladders, troughs, and channels, 3) aerial cable on a messenger, and 4) in hazardous locations per NEC Class 1 Division 2, Class II Division 2, and Class III Division 1 and 2.

**STANDARDS:**

Passes UL & IEEE 70,000BTU Flame Test.  
ICEA S-93-639/NEMA WC74 for Shielded Power Cables.  
UL 1072 for Medium Voltage Cables.  
NEC Article 330 for Metal Clad Cable.  
NEC Article 392 for Tray Use.