



**CONTINUOUS CORRUGATED ARMOR 2400VOLT NONSHIELDED  
3 CONDUCTOR WITH 3 GROUNDS, SUITABLE FOR VFD USE  
EPR INSULATION, ALUMINUM ARMOR, YELLOW PVC JACKET  
TYPE MC-HL, MV-90, CT USE, SUN RESISTANT, DIRECT BURIAL 90DEG C**

**CONSTRUCTION:**

**CONDUCTOR** CLASS B STRANDED BARE COPPER.

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

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

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

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

**ARMOR** CONTINUOUS CORRUGATED ALUMINUM ARMOR.

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

Charlotte Wire Part#	Size AWG	Insulation Thickness (in.)	Ground Sizes (AWG)	Armor Diameter (in.)	PVC Jkt Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)	Amps *
CW08671	8	.115"	3 - #12	1.06"	.050"	1.16"	650	58
CW08672	6	.115"	3 - #10	1.20"	.050"	1.30"	895	77
CW08673	4	.115"	3 - #10	1.30"	.050"	1.40"	1120	100
CW08674	2	.115"	3 - #10	1.44"	.050"	1.54"	1440	135
CW08675	1	.115"	3 - #8	1.49"	.050"	1.59"	1760	155
CW08676	1/0	.115"	3 - #8	1.60"	.060"	1.72"	2040	185
CW08677	2/0	.115"	3 - #8	1.74"	.060"	1.86"	2400	210
CW08678	3/0	.115"	3 - #7	1.81"	.060"	1.93"	2960	245
CW08679	4/0	.115"	3 - #7	1.97"	.060"	2.09"	3410	285
CW08680	250MCM	.115"	3 - #7	2.06"	.060"	2.18"	3870	315
CW08681	350MCM	.115"	3 - #6	2.32"	.075"	2.47"	5120	390
CW08682	500MCM	.115"	3 - #5	2.60"	.075"	2.75"	6850	475
CW08683	750MCM	.115"	3 - #4	3.00"	.075"	3.15"	9880	585
CW08684	1000MCM	.115"	3 - #4	3.30"	.085"	3.47"	13000	660

\*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 2400Volts in industrial, commercial, and utility locations. Continuous corrugated armor provides excellent mechanical resistance and can be used as an electrical shield when adequate grounding is maintained. 3 symmetrical grounds and continuous armor provide for use in VFD applications. Per NEC Art. 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:**

UL Standard 1569 for Type MC Cables.  
Passes UL & IEEE 70,000BTU Flame Test.  
ICEA S-96-659/NEMA WC71 for Nonshielded 2001-5KV Cables.  
UL 1072 for Medium Voltage Cables.  
NEC Article 330 for Metal Clad Cables.  
NEC Article 392 for Tray Use.