

### INTERLOCKED ARMOR CABLE 5KV 133% / 8KV 100% INS.LEVEL 3 CONDUCTOR W/GROUND SHIELDED WITH EPR INSULATION, ALUMINUM ARMOR, YELLOW 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 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 YELLOW 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 *
CW08621	6	.115"	1 - #6	1.49"	.050"	1.59"	1280	88
CW08622	4	.115"	1 - #6	1.56"	.050"	1.66"	1390	115
CW08623	2	.115"	1 - #6	1.77"	.060"	1.89"	1810	154
CW08624	1	.115"	1 - #4	1.84"	.060"	1.96"	2080	180
CW08625	1/0	.115"	1 - #4	1.98"	.060"	2.10"	2400	205
CW08626	2/0	.115"	1 - #4	2.07"	.060"	2.19"	2750	240
CW08627	3/0	.115"	1 - #3	2.18"	.060"	2.30"	3100	280
CW08628	4/0	.115"	1 - #3	2.33"	.060"	2.45"	3720	320
CW08629	250MCM	.115"	1 - #3	2.44"	.075"	2.59"	4240	355
CW08630	350MCM	.115"	1 - #2	2.65"	.075"	2.80"	5610	440
CW08631	500MCM	.115"	1 - #1	2.95"	.075"	3.10"	7640	545
CW08632	750MCM	.115"	1 - 1/0	3.38"	.085"	3.55"	10640	685
CW08633	1000MCM	.115"	1 - 1/0	3.82"	.085"	3.99"	13750	790

\*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 5000Volts 133% Insulation Level (ungrounded) or 8000Volts 100% Insulation Level (grounded) 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.