Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

CONTINUOUS CORRUGATED ARMOR 15KV SHIELDED 133% LEVEL
3 CONDUCTOR WITH GROUND
EPR INSULATION, ALUMINUM ARMOR, RED PVC JACKET
TYPE MC-HL, 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 NONMETALLIC LAYER
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	CONTINUOUS CORRUGATED ALUMINUM .
OUTER JACKET	SUNLIGHT RESISTANT, FLAME RETARDANT RED PVC APPLIED OVER 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 *
CW08731	2	.220"	1 - #6	2.30"	.060"	2.42"	2580	185
CW08732	1	.220"	1 - #4	2.32"	.060"	2.44"	2800	210
CW08733	1/0	.220"	1 - #4	2.46"	.075"	2.61"	3160	240
CW08734	2/0	.220"	1 - #4	2.54"	.075"	2.69"	3590	275
CW08735	3/0	.220"	1 - #3	2.65"	.075"	2.80"	3850	315
CW08736	4/0	.220"	1 - #3	2.76"	.075"	2.91"	4710	360
CW08737	250MCM	.220"	1 - #3	2.89"	.075"	3.04"	5280	400
CW08738	350MCM	.220"	1 - #2	3.23"	.075"	3.38"	6620	490
CW08739	500MCM	.220"	1 - #1	3.55"	.085"	3.72"	8550	600
CW08740	750MCM	.220"	1 - 1/0	3.92"	.085"	4.09"	11640	745
CW08741	1000MCM	.220"	1 - 1/0	4.52"	.085"	4.69"	15140	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.