Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

CONTINUOUS CORRUGATED ARMOR CABLE

3 CONDUCTORS WITH 3 GROUNDS, SUITABLE FOR VFD USE XHHW-2 CONDUCTORS, CONTINUOUS ALUMINUM ARMOR, PVC JACKET TYPE MC-HL, CT USE, SUN RESISTANT, DIRECT BURIAL 90DEG C 600VOLTS

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED BARE COPPER.

INSULATION THERMOSETTING CROSSLINKED POLYETHYLENE (XLP) XHHW-2.

CONDUCTOR IDENTIFICATION COLOR CODED PER ICEA METHOD 4 (BLACK WITH PRINTED NUMBERS) ON SIZES #8AWG AND LARGER. SIZES 14 THROUGH 10AWG CODED PER ICEA METHOD 1 TABLE E-2. (BLACK-RED-BLUE).

ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH STRANDED COPPER GROUND WIRE, AND OVERALL CABLE BINDER TAPE.

ARMOR CONTINUOUS CORRUGATED ALUMINUM ARMOR WHICH IS IMPERVIOUS TO LIQUIDS, MOISTURE, AND GASES.

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

Charlotte Wire Part#	Size AWG	No. of C'drs	Insulation Thickness (in.)	Ground Sizes (AWG)	Armor Diameter (in.)	PVC Jkt Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW08551	14	3	.030"	3 - #18	.53"	.050"	.63"	180
CW08552	12	3	.030"	3 - #16	.57"	.050"	.68"	230
CW08553	10	3	.030"	3 - #14	.62"	.050"	.73"	315
CW08554	8	3	.045"	3 - #14	.76"	.050"	.87"	422
CW08555	6	3	.045"	3 - #12	.84"	.050"	.95"	562
CW08556	4	3	.045"	3 - #12	.97"	.050"	1.08"	756
CW08557	2	3	.045"	3 - #10	1.13"	.050"	1.24"	1090
CW08558	1	3	.055"	3 - #10	1.30"	.050"	1.40"	1300
CW08559	1/0	3	.055"	3 - #10	1.38"	.050"	1.48"	1610
CW08560	2/0	3	.055"	3 - #10	1.56"	.050"	1.69"	1920
CW08561	3/0	3	.055"	3 - #8	1.60"	.060"	1.74"	2390
CW08562	4/0	3	.055"	3 - #8	1.76"	.060"	1.90"	2890
CW08563	250MCM	3	.065"	3 - #8	1.98"	.060"	2.10"	3400
CW08564	350MCM	3	.065"	3 - #7	2.21"	.060"	2.34"	4500
CW08565	500MCM	3	.065"	3 - #6	2.46"	.075"	2.60"	6190
CW08566	750MCM	3	.080"	3 - #5	3.05"	.085"	3.20"	9380

APPLICATION:

Suitable for power, lighting, control, and signal circuits in a variety of industrial locations including pulp and paper, chemical, and petrochemical. 3 symmetrical grounds and continuous armor provide for use in VFD applications. Continuous corrugated armor provides excellent mechanical resistance and can be used as an electrical shield when adequate grounding is maintained. Per NEC Article 330, may be used 1) indoors or outdoors, 2) in raceway or cable tray, 3) as aerial cable on a messenger, 4) in direct burial applications, and 5) in hazardous locations per NEC Class I, II, and III, Divisions 1 and 2.

STANDARDS:

UL Standard 1569 for Type MC Cables.
Passes UL & IEEE 70,000BTU Flame Test.
UL Standard 44 for XHHW-2 conductors.
ICEA S-95-658/NEMA WC70 for Nonshielded 0 - 2KV Cables.
NEC Article 330 for Metal Clad Uses and Constructions.