

### ARMORED INSTRUMENT CABLE #16AWG (SPOS & STOS) SINGLE SHIELDED PAIR/TRIAD AND MULTIPLE SHIELDED PAIRS OR TRIADS WITH OVERALL SHIELD, CONTINUOUS CORRUGATED ARMOR, PVC JACKET TYPE MC-HL, 90DEG C, 600VOLTS

**CONSTRUCTION:**

**CONDUCTOR** 7 STRANDED BARE COPPER.

**INSULATION** 15MILS POLYVINYL CHLORIDE (PVC) WITH 4MILS NYLON JACKET TYPE TFN PER UL 62.

**COLOR CODE** PAIRS ARE CODED BLACK AND WHITE. TRIADS ARE CODED BLACK, WHITE AND RED. ONE CONDUCTOR IN EACH MULTIPAIR/TRIAD IS ALSO NUMBERED FOR EASE OF IDENTIFICATION.

**SHIELDING** INSULATED CONDUCTORS TWISTED INTO PAIRS OR TRIADS AND INDIVIDUALLY SHIELDED WITH ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED DRAIN; MULTIPAIR/TRIAD ITEMS HAVE ADDITIONAL OVERALL ALUMINUM/MYLAR TAPE AND STRANDED TINNED DRAIN.

**INNER JACKET** SHIELDED ASSEMBLY COVERED WITH OVERALL PVC.

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

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

Charlotte Wire Part#	Size AWG	Number of Pairs	Number of Triads	Inner Jkt. Thickness (in.)	Cable Diameters in Inches Inner Jacket	Over Armor	Outer Jacket	Outer Jkt. Thickness (in.)	Approx. Net Wt. (Lbs/Mft)
CW05601	16	1		.045"	.30"	.52"	.62"	.050"	170
CW05602	16	2		.050"	.51"	.76"	.86"	.050"	270
CW05603	16	4		.060"	.61"	.85"	.95"	.050"	360
CW05604	16	8		.060"	.77"	1.01"	1.11"	.050"	570
CW05605	16	12		.080"	.95"	1.23"	1.33"	.050"	800
CW05606	16	16		.080"	1.05"	1.33"	1.44"	.050"	990
CW05607	16	24		.080"	1.30"	1.61"	1.74"	.060"	1360
CW05608	16	36		.080"	1.50"	1.82"	1.94"	.060"	1790
CW05609	16		1	.045"	.33"	.54"	.64"	.050"	185
CW05610	16		4	.060"	.65"	.89"	.99"	.050"	440
CW05611	16		8	.080"	.89"	1.15"	1.26"	.050"	760
CW05612	16		12	.080"	1.08"	1.34"	1.45"	.050"	1000
CW05613	16		16	.080"	1.23"	1.55"	1.67"	.060"	1250
CW05614	16		24	.080"	1.48"	1.84"	1.97"	.060"	1760
CW05615	16		36	.110"	1.77"	2.17"	2.30"	.060"	2500

**APPLICATION:**

Suitable for lighting, control, or signal circuits in a variety of industrial locations including pulp and paper, chemical, and petrochemical. Continuous corrugated armor provides excellent mechanical resistance and an impervious sheath against liquids, moisture, and gases. Per NEC Art. 330, may be used:

- 1) in raceways or cable tray,
- 2) as aerial cable on a messenger,
- 3) in direct burial applications,
- 4) in hazardous locations per NEC Class I, II, and III, Divisions 1 and 2.

**STANDARDS:**

UL Standard 1569 for Type MC Cables.  
 Passes UL and IEEE383 70,000BTU flame test.  
 UL Standard 62 for TFN conductors.  
 NEC Article 330 for Metal Clad Uses and Constructions.  
 UL Standard 2225 for Metal Clad Cables in Hazardous Locations.