

### ARMORED INSTRUMENT CABLE #16AWG (SPOS & STOS) SINGLE SHIELDED PAIR/TRIAD AND MULTIPLE SHIELDED PAIRS & TRIADS WITH OVERALL SHIELD, ALUMINUM INTERLOCKED ARMOR, PVC JACKET TYPE MC 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** INTERLOCKED ALUMINUM ARMOR APPLIED TO INNER JACKETED ASSEMBLY.

**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			Outer Jkt. Thickness (in.)	Approx. Net Wt. (Lbs/Mft)
					Inner Jacket	Over Armor	Outer Jacket		
CW05685M1	16	1		.045"	.30"	.52"	.62"	0.50"	170
CW05621	16	2		.050"	.40"	.69"	.79"	0.50"	265
CW05622	16	4		.060"	.55"	.80"	.90"	0.50"	370
CW05623	16	8		.060"	.77"	1.02"	1.12"	0.50"	570
CW05624	16	12		.080"	.96"	1.22"	1.32"	0.50"	800
CW05625	16	16		.080"	1.06"	1.32"	1.42"	0.50"	990
CW05626	16	24		.080"	1.26"	1.51"	1.73"	0.60"	1360
CW05627	16	36		.080"	1.48"	1.74"	1.87"	0.60"	1790
CW05686M1	16		1	.045"	.33"	.54"	.64"	0.50"	185
CW05629	16		4	.060"	.61"	.86"	.96"	0.50"	440
CW05630	16		8	.080"	.86"	1.11"	1.21"	0.50"	760
CW05631	16		12	.080"	1.02"	1.27"	1.37"	0.50"	1000
CW05632	16		16	.080"	1.15"	1.40"	1.53"	0.60"	1250
CW05633	16		24	.080"	1.40"	1.68"	1.80"	0.60"	1760
CW05634	16		36	.110"	1.77"	2.17"	2.30"	0.60"	2500

#### APPLICATION:

Suitable for lighting, control, or signal circuits in a variety of industrial locations including pulp and paper, chemical, and petrochemical. Interlocked armor provides excellent mechanical resistance and per NEC Article 330, may be used

- 1) in raceways or cable tray,
- 2) as aerial cable on a messenger,
- 3) in direct burial applications, and
- 4) in hazardous locations per NEC Art. 501 Class I Division 2, NEC Art. 502 Class II Division 2, and NEC Art. 503 Class III Division 1.

#### 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.