

ARMORED SHIELDED INSTRUMENTATION CABLE ALUMINUM INTERLOCKED ARMOR, BLACK PVC JACKET TYPE MC, 600VOLTS, 90DEG C, PVC/NYLON INSULATION

CONSTRUCTION:

CONDUCTOR STRANDED BARE COPPER PER ASTM B-3.

INSULATION POLYVINYL CHLORIDE WITH NYLON JACKET TYPE TFN PER UL 62 (GASOLINE AND OIL RESISTANT).

CONDUCTOR IDENTIFICATION INSULATED CONDUCTORS ARE COLOR CODED PER ICEA METHOD 1 TABLE E-2.*

ASSEMBLY CONDUCTORS ARE TWISTED TOGETHER WITH ALUMINUM/MYLAR TAPE SHIELD AND STRANDED TINNED COPPER DRAIN WIRE.

INNER JACKET POLYVINYL CHLORIDE (PVC) JACKET APPLIED TO SHIELDED ASSEMBLY.

ARMOR ALUMINUM INTERLOCKED ARMOR APPLIED OVER INNER JACKETED ASSEMBLY.

OUTER JACKET BLACK POLYVINYL CHLORIDE (PVC) APPLIED OVER ARMOR.

Charlotte Wire Part#	Size AWG	Number of Conductors	PVC/Nylon Thickness (in.)	Inner Jacket OD (in.)	Armor Diameter (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW05675	18	3	.019"	.30"	.53"	.63"	180
CW05685	16	2	.019"	.31"	.55"	.65"	190
CW05686	16	3	.019"	.32"	.57"	.67"	210
CW05687	16	4	.019"	.34"	.61"	.71"	235

*To specify ICEA Method 1 Table E-1, add suffix "M1" to Charlotte Wire part number.

APPLICATION:

For control, signal or instrumentation circuits 600volts or less where circuit protection from ambient electrical interference is needed. May be used in sunlight resistant, direct buried, and wet or dry locations.

STANDARDS:

UL Standard 62 for TFN conductors.

Passes UL and IEEE383 70,000BTU Flame Test.

UL Standard 1569 for MC Cables.