

DATE: 03-10-08

PRODUCT SPECIFICATION 11376 C

TYPE: Ethylene Propylene Insulated
Neoprene Jacketed
Special Control Station Cable
600 Volts, 90°C

SIZE: 16 AWG - 3 Conductor
16 AWG - 5 Conductor
16 AWG - 7 Conductor

I. SCOPE:

This specification covers the construction of multi-conductor Special Control Station Cable suitable for use to 600 Volts at conductor temperatures to 90°C.

Construction consists of extra-flexible tin coated copper conductors and an extra-flexible galvanized steel strength member insulated with color coded Ethylene Propylene Rubber, cabled together with jute fillers, as necessary, separator and jacketed overall with heavy duty Neoprene.

II. CONSTRUCTION:

SIZE - NO. COND.	STRANDING	INS. WALL (MILS)	JKT. WALL (MILS)	NOM. DIA. (INCHES)
16 AWG - 3	65/.0063"	30	70	.560
16 AWG - 3	65/.0063"	30	60	.535
16 AWG - 5	65/.0063"	30	65	.560
16 AWG - 7	65/.0063"	30	80	.620

- A. CONDUCTORS:** Bunch stranded tin coated annealed copper conforming to ASTM B-33 and B-174, and UL Standard 62. When specifically requested, bare copper strands can be furnished.
- B. STRENGTH MEMBER:** 1/16" (7 X 7) commercial grade galvanized steel wire rope with a minimum breaking strength of 480 pounds. A paper separator is applied over this member.
- C. INSULATION:** Rubber conforming to UL Class 45 EP per UL Standard 1581. The wall thickness is shown in the above table for the copper conductors and for the strength member the wall thickness is 45 mils.

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D. COLOR CODE:

**For 3/C: Brown, Orange, Red; and Black for the steel strength member.
Brown, Blue, Yellow; and Black for the steel strength member.***

For 5/C: Orange, Red, Brown, Blue, Yellow; and Black for the steel strength member.

For 7/C: Purple, White, Orange, Red, Brown, Blue, Yellow; and Black for the steel strength member.

E. ASSEMBLY: The insulated conductors are cabled around the insulated strength member with jute fillers and a 4 ½ inch nominal lay. The color sequence is as shown in Part D above.

F. SEPARATOR: A full cotton serve is applied over the cabled assembly with an angle greater than 60 degrees.

G. OVERALL JACKET: Black Neoprene conforming to UL Class 46 for 75°C per UL Standard 1581.

*** Alternate color code.**