

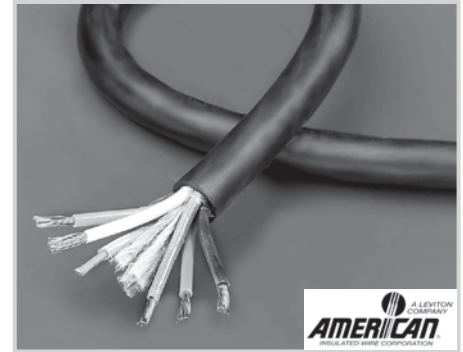
## SDN® Flexible Control Cable

### UL Listed Type TC Tray Cable, 600V, 90°C

**Polymer/Nylon Insulation, Neoprene Outer Jacket**

#### Construction

<b>Conductors</b>	Bare, soft annealed copper per ASTM B-3 18 AWG: Bunch stranded Class K (16 x 30 AWG strands), ASTM B-174 and UL-62 paragraph 10.2 16, 14 and 12 AWG: Concentric stranded Class C (19 strands), ASTM B-8 and UL-83 table 13.
<b>Insulation</b>	Flame-retardant polymer
<b>Inside Jacket</b>	Nylon
<b>Overall Jacket</b>	Black neoprene (polychloroprene)



#### Specifications

UL Subject 1277 NEC® Article 318 “Cable Trays” and Article 340 “Power and Control Cable Type TC.” Meets the requirements of the 70,000 BTU “Cable Tray Propagation Test” per IEEE-383. Cables pass the CSA FT4 flame tests and are CSA rated as Type CIC TC, 90°C, 600V.

#### Applications

SDN cables are designed for control, power, lighting, telemetering, signals and relay control systems. They are especially suitable for flexible applications such as cranes, hoists and some robotic applications, at temperatures down to -55°C.

#### Conductor Data

AWG	Strands	Class	Insulation Thick. (in)	Nylon Jacket Thick. (in)	Nominal O.D. (in)
18	16 x 30	K	.015	.004	.088
16	19 x 29	C	.015	.004	.097
14	19 x 27	C	.015	.004	.113
12	19 x 25	C	.015	.004	.132

#### Type Installations

**Inside:** Recognized for use in Class 1 or 2, Division 2 hazardous locations and for installation in trays, raceways, troughs, channels, ducts and conduit.

**Outside:** Specifically recommended for direct earth burial in wet or dry locations. The Arctic-grade neoprene jacket resists abrasion, sunlight, oil, chemicals, acids, alkalies and flames.

*See referenced page in the Hardware & Supplies section:*

#### Suggested Prep Tool

- 721 Multi-Wire Stripper/Cutter - I-9