

# SDT1808-0 Control Tray Cable

## (UL)TC-ER 600V



PRODUCT DATA SHEET

TC-ER cable is suitable for use in exposed runs and features a sunlight-resistant TPE jacket and PVC/Nylon insulation. It also has approval for use in Class I, Division II industrial hazardous locations per NEC.

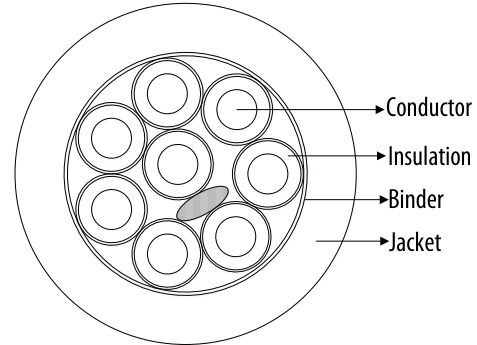
**Design Number** 10711  
**Part Number** N/A  
**Customer Number** N/A

### CONSTRUCTION

**Conductor:** Stranded annealed bare copper  
**Conductor Size:** 18AWG, 16 Strands  
**Insulation Material:** Polyvinyl Chloride/Nylon  
**Insulation Thickness:** 0.015"/0.005" (Nom.)  
**Insulation Diameter:** 0.086" (Nom.)  
**Lay Length:** 4.25" LHL  
**Fillers:** Fibrillated Flame Retardant - As needed for a circular cross section  
**Binder:** Tissue - 100% Coverage  
**Jacket Material:** TPE  
**Jacket Thickness:** 0.045" (Nom.)  
**Overall Diameter:** 0.379" (Nom.)  
**Jacket Color:** Black

#### Print Legend (Footage Markers):

ASCENT E478019-LU 18AWG 8C (UL) TC-ER PVC/NYLON 600V 90C DRY/WET  
 SUN RES DIR BUR FT4 "ROHS COMPLIANT" MADE IN USA



**Color Code:** Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black

### ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** 90°C  
**Operating Voltage:** UL 600V  
**Weight:** 99 Lbs./Mft.

### SAFETY CHARACTERISTICS

UL listed as Type TC-ER per UL Standard 1277 for Tray Cables  
 UL approved for Direct Burial and Sunlight Resistant applications  
 Cable meets UL 1581 & 1202(FT-4) 70,000 BTU/HR  
 ICEA T-29-520 210,000 BTU/HR requirements  
 Meets ICEA S-73-532, where applicable  
 Refer to NEC (NFPA 70) article 336 for installation guidelines  
**REACH:** Regulation (EC) No 1907/2006(224) Updated Jan.17, 2022

**Application:** Suitable for use in free air, raceways, or direct burial applications, and in wet or dry conditions

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Revision History		
00	2023/02/08	Initial Release
01	2023/02/24	Jacket material is updated from PVC to TPE
Created L. Jian		Approved A. Huang

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