

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.

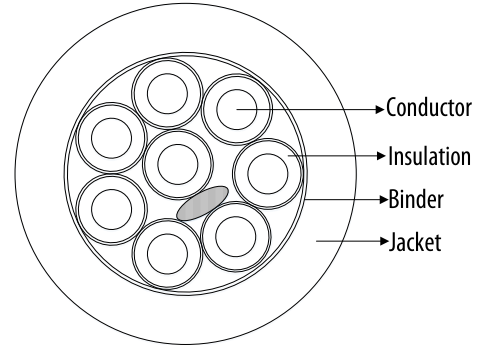
Design Number 10711
Part Number 32174411
Customer Number N/A

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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