

SDT1619-0 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.

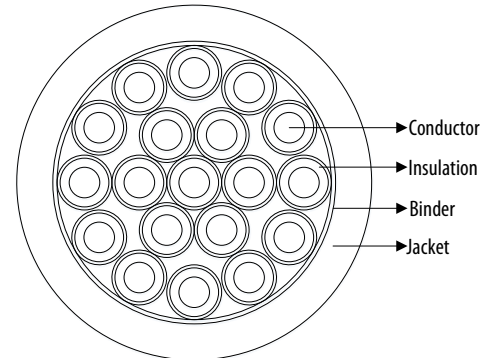
Design Number 10715
Part Number 32174416
Customer Number N/A

CONSTRUCTION

Conductor: Stranded annealed bare copper
Conductor Size: 16AWG, 26 Strands
Insulation Material: Polyvinyl Chloride/Nylon
Insulation Thickness: 0.015"/0.005"(Nom.)
Insulation Diameter: 0.098"(Nom.)
Lay Length: 6.00" LHL Nominal
Fillers: Fibrillated Flame Retardant - As needed for a circular cross section
Binder: Tissue - 100% Coverage
Jacket Material: TPE
Jacket Thickness: 0.060"(Nom.)
Overall Diameter: 0.615"±0.050"
Jacket Color: Black

Print Legend (Footage Markers):

ASCENT E478019-LU 16AWG 19C (UL) TC-ER PVC/NYLON 600V 90C DRY/WET
 SUN RES DIR BUR FT4 "ROHS COMPLIANT" MADE IN USA



Color Code: Method 1, Table E-2 (Black, Red, Blue, Orange, Yellow, Brown, Red/Black Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red Orange/Red, Yellow/Red, Brown/Red, Black/Blue, Red/Blue, Orange/Blue)

ELECTRICAL&PHYSICAL CHARACTERISTICS

Operating Temperature (°C): 90°C
Operating Voltage: UL 600V
Bend Radius (Dynamic): 7.00" Maximum
Bend Radius (Static): 5.00" Maximum
Cold Bend: -40°C
Weight: 296 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(235) Updated June 14, 2023

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
02	2024/03/27	Cold Bend and Bend Radius is added
Created	L. Jian	Approved
		A. Huang

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