

# 18AWG/3C VNTC (UL)TC-ER 600V CSA AWM



PRODUCT DATA SHEET

Cable is suitable for installation under NEC (NFPA 70) article 336 guidelines.  
Cable is suitable for use in Class I Division 2 hazardous locations.

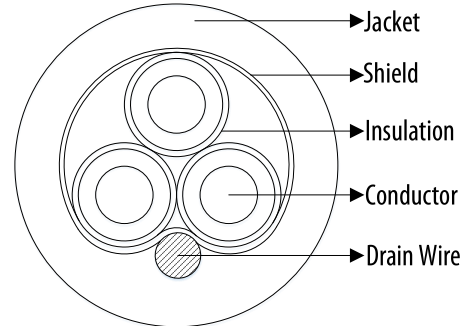
**Design Number** 10749  
**Part Number** 1803TSTOS-OBEG  
**Customer Number** N/A

## CONSTRUCTION

**Conductor:** Stranded tinned copper  
**Conductor Size:** 18AWG, 7 strands  
**Insulation Material:** Polyvinyl Chloride/Nylon  
**Insulation Thickness:** 0.016"/0.005"(Nom.)  
**Insulation Diameter:** 0.087"(Nom.)  
**Lay Length:** 3.00" LHL  
**Drain Wire:** 20AWG, 7 strands tinned copper  
**Shield:** Aluminum/Mylar - 100% coverage  
**Jacket Material:** Polyvinyl Chloride  
**Jacket Thickness:** 0.050"(Nom.)  
**Overall Diameter:** 0.288"(Nom.)  
**Jacket Color:** Gray

### Print Legend (Footage Markers):

ASCENT E478019-LU 18AWG 3C SHIELDED (UL) TC-ER PVC/NYLON 600V 90C  
DRY/WET PVC JACKET SUN RES DIR BUR FT4 OR CSA 604274 AWM I/II A/B  
90C 600V FT1 FT2 FT4 -40C "ROHS COMPLIANT" MADE IN USA



**Color Code:** Black, White, Red

## ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** 90°C  
**Operating Voltage:** 600V  
**Weight:** 51 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 IEEE 1202 flame test  
CSA recognized component AWM I/II A/B per CSA Standard 22.2 No.210-17  
Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive,  
RoHS 3 2015/863/EU Directive  
Cable is REACH compliant per Regulation (EC) No 1907/2006(224)  
Updated June 10, 2022

**Application:** Industrial & commercial applications,  
Cold & hazardous environments, Control and/or power,  
Machine tools or factory installation

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Revision History		
00	2023/03/03	Initial Release
Created L. Jian		Approved A. Huang

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