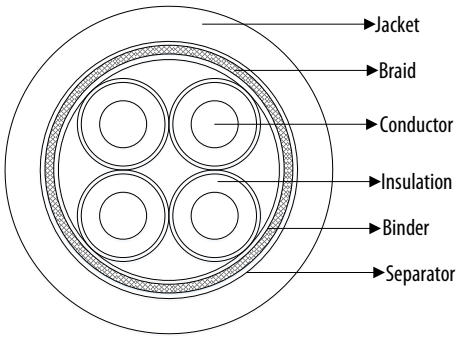
16AWG/4C Overall Braid VNTC

(UL)TC-ER 600V, C(UL) CIC-TC, WTTC

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.
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG).

Design Number	10974
Part Number	6000001255
Customer Number	N/A



Color Code: Black & numbered

CONSTRUCTION

Conductor: Stranded bare copper
Conductor Size: 16AWG 19 strands Class C
Insulation Material: Polyvinyl Chloride/Nylon
Insulation Thickness: 0.017″/0.005″(Nom.)
Insulation Diameter: 0.100″(Nom.)
Cable Lay Length: 3.50″ RHL
Cable Binder: Clear Mylar - 100% Coverage
Braid: 36AWG Tinned copper, 85% Min Coverage
Separator: Tissue - 100% Coverage
Jacket Material: Thermoplastic Elastomer, pressure extruded
Jacket Thickness: 0.045″(Nom.)
Overall Diameter: 0.360″(Nom.)
Jacket Color: Matte Black

Print Legend (Footage Markers):
ASCENT E478019-LU 16AWG 4C SHIELDED (UL) TC-ER THWN-2/VW-1 600V 90C DRY/WET TPE JACKET SUN RES DIR BUR OR WTTC 1KV OR CIC-TC C(UL) 16AWG 4C PVC/N SHIELDED 600V FT1 FT4 90C DRY 75C WET SR CE MADE IN USA

ELECTRICAL&PHYSICAL CHARACTERISTICS

Operating Temperature (℃): 90°C
Operating Voltage: UL 600V(TC-ER, CIC), WTTC 1000V
Conductor DC Resistance@20℃: 4.15 Ω/Mft Max
Impedance: 60 Ω±10%
Mutual Capacitance: 28 pF/ft± 10%
Bend Radius: 4.25″
Cold bend Rating: -40°C
Weight: 102 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
UL listed as Type WTTC per UL Standard 2277 for wind turbine tray cables
Cable meets UL 1581 &1202(FT-4) 70,000 BTU/HR requirements
Listed as Type CIC-TC per CSA Standard C22.2 No. 239-17 & No. 230-09
In compliance with the Low Voltage Directive 2006/95/EC
Product is marked CE in accordance with EC Declaration of Conformity
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(219) Updated January 17, 2023

Application: Torsion resistant for drip loops, Industrial machinery , Compliant with tool machines, Plant engineering, Wind Turbine Tray Cable, Outdoor use and Direct burial in the USA

Revision History		
00	2024/06/25	Initial Release
Created L. Jian		Approved A. Huang

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