

14AWG/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).

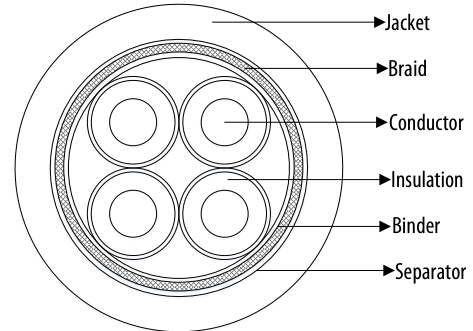
Design Number 10760
Part Number 32102913
Customer Number N/A

CONSTRUCTION

Conductor: Stranded bare copper
Conductor Size: 14AWG(41/0.010")
Insulation Material: Polyvinyl Chloride/Nylon
Insulation Thickness: 0.017"/0.005"(Nom.)
Insulation Diameter: 0.116"(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: 0.398"(Nom.)
Jacket Color: Matte Black

Print Legend (Footage Markers):

ASCENT E478019-LU 14AWG 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) 14AWG 4C PVC/N SHIELDED 600V FT1 FT4 90C DRY 75C
WET SR **CE** MADE IN USA



Color Code: Black and numbered

ELECTRICAL&PHYSICAL CHARACTERISTICS

Operating Temperature (°C): 90°C
Operating Voltage: UL 600V(TC-ER, CIC), WTTC 1000V
Conductor DC Resistance@20°C: 9.25 Ω/km Max
Impedance: 52 Ω±10%
Mutual Capacitance: 32 pF/ft
Bend Radius: 12x OD
Cold bend Rating: -40°C
Weight: 124 Lbs/Mft

SAFETY CHARACTERISTICS

UL listed as Type TC-ER per UL Standard 1277 for Tray Cables
UL approved for Direct Burial, Sunlight and Oil I & II Resistant
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 2015/863/EU Directive
Cable is REACH compliant per Regulation (EC) No 1907/2006(219) Updated Jan.17, 2022

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

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Revision History		
00	2023/03/31	Initial Release
Created L. Jian		Approved A. Huang

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