

# 14AWG/7C NS VNTC

(UL)TC-ER 600V C(UL) CIC TC CSA AWM WTTC DP-1



PRODUCT DATA SHEET

Cable is suitable for installation under NEC (NFPA 70) article 336 guidelines.  
Cable is suitable for installation in Class I Division 2 hazardous locations.  
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG).

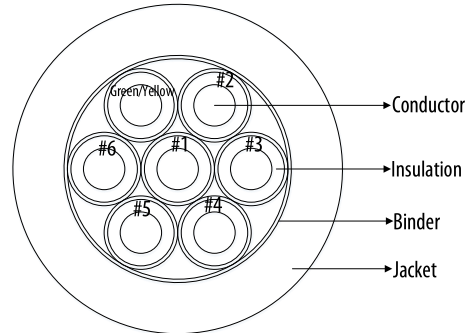
**Design Number** 10604  
**Part Number** 32164954  
**Customer Number** N/A

## CONSTRUCTION

**Conductor:** Stranded bare copper  
**Conductor Size:** 14AWG(41/0.010")  
**Insulation Material:** Polyvinyl Chloride/Nylon  
**Insulation Thickness:** 0.015"/0.005"(Nom.)  
**Insulation Diameter:** 0.112"(Nom.)  
**Binder:** Non-woven polyester tape  
**Jacket Material:** TPE, pressure extruded  
**Rip Cord:** Yes (1-Ply)  
**Jacket Thickness:** 0.0615"(Nom.)  
**Overall Diameter:** 0.463"(Nom.)  
**Jacket Color:** Black

### Print Legend (Footage Markers):

TC-1407 14AWG/7C ASCENT E478019-LU (UL) TC-ER 600V PVC/NYLON 90C DRY/WET 90C JKT SUN RES OIL RES II DIR BUR OR DP-1 OR MTW FLEXING 600V OR AWM 20886 1KV 90C OR C(UL) TC CIC 90C DRY 75C WET FT4-25C OR CSA 604274 AWM I/II A/B 90C DRY 75C WET 1KV FT1 FT2 FT4-40C **CE** ROHS MADE IN USA XXXXX FT



**Color Code:** Black #1 ~#6, Green/Yellow

## ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** 90°C  
**Operating Voltage:** UL/CSA 600V(TC-ER, MTW, CIC), WTTC 1000V  
UL/CSA 1000V(AWM)

**Weight:** 176 Lbs/Mft

**Min. Bend Radius:** 4x OD

**Attributes:** Cable meets UL 1581 & 1202(FT-4) 70,000 BTU/HR Individual conductors pass UL VW-1 flame test, rated THWN-2/VW-1 UL approved for Direct Burial, Sunlight and Oil I & II Resistant

## SAFETY CHARACTERISTICS

UL listed as Type TC-ER per UL Standard 1277 for Tray Cables  
UL listed as Type WTTC per UL Standard 2277 for wind turbine tray cables  
UL listed as MTW and DP-1 per UL Standard 1063,1690  
UL recognized component as Type 20886 per UL Standard 758 for appliance wiring material  
Listed as Type CIC TC per CSA Standard C22.2 No. 239-17 & No.230-09 for Instrumentation and control cable and tray cables  
CSA listed as Type AWM per CSA Standard 22.2 No.210-11 for appliance wiring material products  
In compliance with the Low Voltage Directive 2006/95/EC  
Product is marked CE in accordance with EC Declaration of Conformity  
**RoHS Compliant:** European Directive 2015/863/EU  
**REACH:** Regulation (EC) No 1907/2006 Updated June.27, 2018

**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	2022/03/09 Initial Release
01	2022/03/21 Print legend updated
02	2022/04/14 Print legend updated
03	2022/05/18 Print legend updated
04	2022/07/18 Print legend updated and Part Number
Created L. Jian	Approved A. Huang

**UK HQ** | Unit 11, Humphrys Road, Woodside Industrial Estate, Dunstable, LU5 4TP UK  
**Frankfurt** | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf  
**Milwaukee** | 5001 South Towne Dr. New Berlin, WI 53151 USA  
**Suzhou** | B2-2 Weiting Town Industrial - Workshop A, No. 9 Weixin Rd., Suzhou Industrial Park. Jiangsu, China 215122

