

18AWG/12C 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).

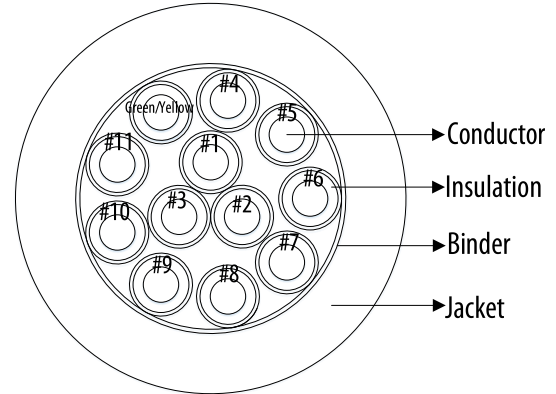
Design Number 10597
Part Number 32164956
Customer Number N/A

CONSTRUCTION

Conductor: Stranded bare copper
Conductor Size: 18AWG(16/0.010")
Insulation Material: Polyvinyl Chloride/Nylon
Insulation Thickness: 0.015"/0.005"(Nom.)
Insulation Diameter: 0.086"(Nom.)
Binder: Non-woven polyester tape
Jacket Material: TPE, pressure extruded
Rip Cord: Yes (1-Ply)
Jacket Thickness: 0.058"(Nom.)
Overall Diameter: 0.477"(Nom.)
Jacket Color: Black

Print Legend (Footage Markers):

TC-1812 18AWG/12C 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 ~#11, 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: 151 Lbs/Mft

Min. Bend Radius: 4x OD

Attributes: Cable meets UL 1581 & 1202(FT-4) 70,000 BTU/HR
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	2022/03/07	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 added
	Created L. Jian	Approved A. Huang

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