

14/3C+18/1P Overall Shielded, Composite Cable

(UL)TC-ER, WTTTC, DP-1, AWM 20886, CIC-TC, CSA approved



PRODUCT DATA SHEET

External interconnection or internal wiring of electronic equipment.

Design Number 10961
 Part Number N/A
 Customer Number N/A

CONSTRUCTION

Element 1 Three 14AWG Conductors

Conductor: 14AWG, 41 strands, annealed tinned copper
Insulation: Nom. 0.030" thickness, Cross-linked Polyethylene
Insulation Diameter: 0.132"(Nom.)

Element 2 One Pair 18AWG, Al-mylar shielded and Drain Wire

Conductor: 18AWG, 16 strands, annealed tinned copper
Insulation: Nom. 0.030" thickness, Cross-linked Polyethylene
Insulation Diameter: 0.106"(Nom.)
Pair Assembly: Two 18AWG twisted into one pair
Pair Drain Wire: 18AWG 7 strand tinned copper
Pair Shield: Foil Free Edges Aluminum/Mylar Tape -100% coverage

Overall Cable Assembly Elements 1 & 2

Ground: Insulated (Green/Yellow) - 14AWG 41 strand tinned copper
Fillers: Non-Hygroscopic Polypropylene - as required for a circular cross-section
Shield: Aluminum/Mylar Tape -100% coverage
Drain Wire: 16AWG 7 strand tinned copper
Braid: 36AWG tinned copper braid - 85% minimum coverage
Jacket Material: Polyvinylchloride
Ripcord: Yes
Wall Thickness: 0.060"
Jacket Diameter: 0.555" ±0.020"
Jacket Color: Black

Print Legend (Footage Markers):

ASCENT E478019-LU 14AWG 3C XHHW-2/VW-1 + 18AWG 1PR XLPE SHIELDED (UL) TC-ER INSULATED GROUND 1000V 90C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I & II OR FLEXIBLE VFD SERVO MOTOR CABLE XHHW-2 CDRS 1000V 90C DRY/WET OR WTTTC 1KV OR DP-1 OR AWM 20886 1000V 90C OR CIC-TC C(UL) 14AWG 3C + 18AWG 1PR SHIELDED XLPE 600V 90C DRY/WET INSULATED GROUND FT1 FT4 SR OR CSA 604274 AWM I/II A/B 105C 1000V FT1 FT2 FT4 -40C SR "ROHS COMPLIANT" MADE IN USA

COLOR CODE

Element 1: Black & numbered + (1) Insulated Green/Yellow
Element 2: Black #4 and Black #5

ELECTRICAL & PHYSICAL CHARACTERISTICS

Operating Temperature (°C): 90°C
Operating Voltage: 1000V
Cable Weight: 212 Lbs/Mft
Cold Bend Rating: -40°C

SAFETY CHARACTERISTICS

Refer to NEC (NFPA 70) article 336 for installation guidelines
 Cable is suitable for use in Class I Division 2 hazardous locations
 UL listed as Type TC-ER per UL Standard 1277 for tray cables
 UL listed as Type WTTTC per UL Standard 2277 for wind turbine tray cables
 14AWG and larger Individual conductors pass UL VW-1 flame test, rated XHHW-2/VW-1
 UL approved for Direct Burial, Sunlight and Oil I & II resistant applications
 UL listed as Type VFD per UL Standard 2277 for flexible VFD Servo Motor Cables
 UL recognized component as type AWM 20886 per UL Standard 758
 Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
 Meets ICEA S-73-532, where applicable
 Listed as Type CIC-TC per CSA Standard 22.2 No. 239-17 & No. 230-17 for instrumentation and control cables and tray cables
 CSA listed as Type AWM per CSA Standard 22.2 No. 210-15 for appliance wiring material products
 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 (240) Updated January 23, 2024

Application: External interconnection or internal wiring of electronic equipment

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Revision History		
00	2024/05/14	Initial release
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