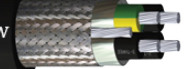


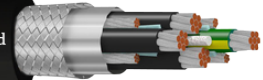


VFD Cables

Webb 3C 600/1000V VFD cable 16AWG TC XLPE Ins, 16AWG TC PVC Ins ground, 16AW



Webb 3C 2000V VFD cable 14AWG TC XLPE Ins, 14AWG TC XLPE Ins ground



Webb 3C 600/1000V VFD cable 10AWG TC XLPE Ins, 1Pair 16AWG T



Webb 3C 600/1000V VFD cable 4/0 AWG TC XLPE Ins, Dual Copper tapes, BC groun



DATA SHEET

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3C 600/1000V VFD cable 12AWG TC XLPE , 12AWG PVC Ground, Overall foil+ Braid

Webb's Variable Frequency Drive (VFD) cable features three 12 AWG conductor made of tinned copper with XLPE insulation, specifically designed for VFD applications. It includes a 12 AWG PVC-insulated tinned copper ground wire and a 12AWG uninsulated tinned copper ground wire. Rated for 1000V TC-ER, it operates within a temperature range of 90°C for both dry and wet conditions and can handle up to 1000V. The cable incorporates comprehensive shielding with overall aluminum foil and a tinned copper braid to protect against electromagnetic and radio-frequency interference. Its outer sheath ensures durability, safeguarding the cable from physical damage, chemicals, and moisture. Webb's VFD cable is ideal for environments requiring high performance, reliable operation, and protection from electrical interference, such as in industrial automation, motor control systems, and other demanding electrical applications.

Specifications

- Conductor:
 - No. of conductors: 3
 - Material: Stranded tinned copper
 - Conductor structure: 12AWG (65 strands x 30AWG)
 - Insulation: XLPE - Cross-linked polyethylene, Thickness: 1.2mm
 - Insulation diameter: 4.75mm
 - Insulation color: Black
- Insulated ground wire:
 - Material: Stranded tinned copper
 - Structure: 12AWG (65 strands x 30AWG)
 - Insulation: PVC - Polyvinyl Chloride, Thickness: 1.2mm
 - Insulation diameter: 4.75mm
 - Insulation color: Green with yellow strip
- Non-insulated ground wire:
 - Material: Stranded tinned copper
 - Structure: 12AWG (65 strands x 30AWG)
- Shielding: Overall aluminum foil + 85% Tinned copper braid
- Outer sheath: Available in PVC or LSOH, thickness-1.9mm- Black
- Ripcord: Yes
- Bending radius: Fixed: 10xD, Constant motion: 15xD
- Operating temperature: -40°C to +90°C
- UL Temperature: 90°C Dry, 90°C Wet
- Max. pull tension: 228 kg
- Cable weight: 410kg/km ±3%
- Outer diameter: 16.0mm

**Specifications are subject to change without notice based on technical recommendations and related product enhancements*

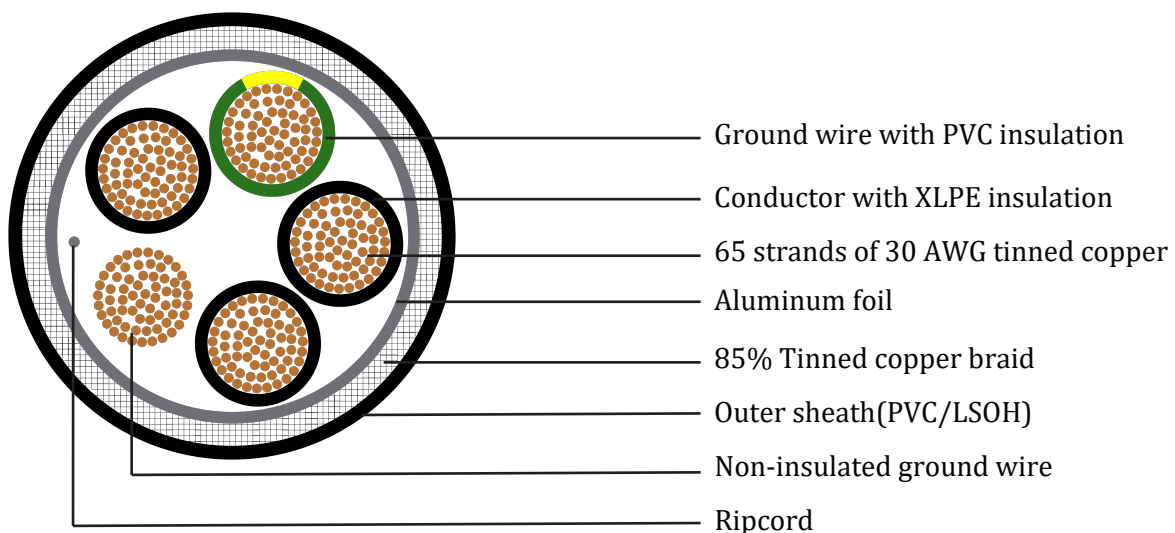
Electrical characteristics

- 600/1000 V TC-ER WTTC UL Flexible motor supply cable for industrial, exposed, and wet locations
- Rated for a maximum of 1000 V and adheres to AWM I/II A/B standards
- Conductor direct current resistance (DCR): 5.14Ω/km
- Capacitance from conductor to conductor: 85 pF/m(PVC), 95 pF/m(LSOH)
- Capacitance from conductor to other (ground wire/shield): 150 pF/m(PVC), 170 pF/m(LSOH)
- Characteristic impedance: 63Ω(PVC), 71Ω(LSOH)
- Velocity of propagation: 55%

Standards and compliance

- Flame retardant: IEC/EN 60332-1-2
- Flame propagation: IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24
- Smoke density: IEC 61034-2 VDE 0482-1034-2 EN 61034-2
- Corrosive gases: IEC 60754-2 VDE 0482-267-2-3 EN 60754-2
- Halogen free: IEC 60754-1 VDE 0482-267-2-1 EN 60754-1
- Voltage rating: AWM I/II A/B
- UV Resistance: UL 1581 Section 1200

Inner Structure



**Specifications are subject to change without notice based on technical recommendations and related product enhancements*

Ordering information

Part number	Description
T.04.VFD.61.T-3XE12.P12+U12.FB.P.B.5	3C 600/1000V VFD cable 12AWG TC XLPE Ins, 12AWG TC PVC Ins ground, 12AWG TC Non Ins ground, Overall Aluminum foil+ TC Braid, PVC 500m, Black
T.04.VFD.61.T-3XE12.P12+U12.FB.L.B.5	3C 600/1000V VFD cable 12AWG TC XLPE Ins, 12AWG TC PVC Ins ground, 12AWG TC Non Ins ground, Overall Aluminum foil+ TC Braid, LSOH 500m, Black

**Specifications are subject to change without notice based on technical recommendations and related product enhancements*