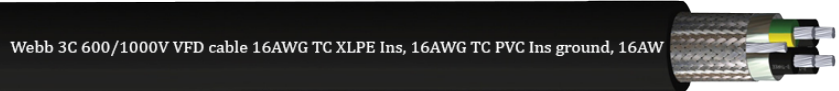


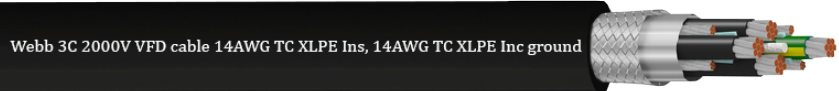


## VFD Cables

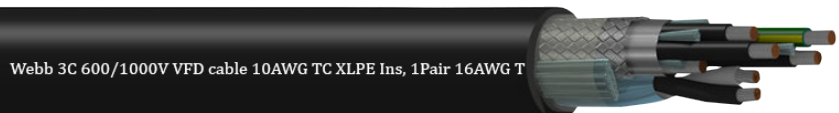
Webb 3C 600/1000V VFD cable 16AWG TC XLPE Ins, 16AWG TC PVC Ins ground, 16AW



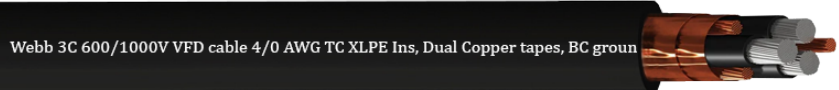
Webb 3C 2000V VFD cable 14AWG TC XLPE Ins, 14AWG TC XLPE Inc ground



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 2000V VFD cable 14AWG TC XLPE , 14AWG XLPE Ground, Overall foil+ Braid

Webb's Variable Frequency Drive (VFD) cable features three 14 AWG conductor made of tinned copper with XLPE insulation, specifically designed for VFD applications. It includes a 14 AWG XLPE-insulated tinned copper ground wire and a 14 AWG uninsulated tinned copper ground wire. Rated for 2000V TC-ER, it operates within a temperature range of 90°C for both dry and wet conditions. 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: 14AWG (41 strands x 30AWG)
  - Insulation: XLPE - Cross-linked polyethylene, Thickness: 1.6mm
  - Insulation diameter: 5.0mm
  - Insulation color: Black
- Insulated ground wire:
  - Material: Stranded tinned copper
  - Structure: 14AWG (41 strands x 30AWG)
  - Insulation: XLPE - Cross-linked polyethylene, Thickness: 1.6mm
  - Insulation diameter: 5.0mm
  - Insulation color: Green with yellow strip
- Non-insulated ground wire:
  - Material: Stranded tinned copper
  - Structure: 14AWG (41 strands x 30AWG)
- Shielding: Overall aluminum foil + 85% Tinned copper braid
- Outer sheath: PVC, thickness-1.9mm- Black
- Ripcord: Yes
- Bending radius: 210mm
- Operating temperature: -40°C to +90°C
- UL Temperature: 90°C Dry, 90°C Wet
- Max. pull tension: 151 kg
- Cable weight: 408kg/km ±3%
- Outer diameter: 17.2 mm

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

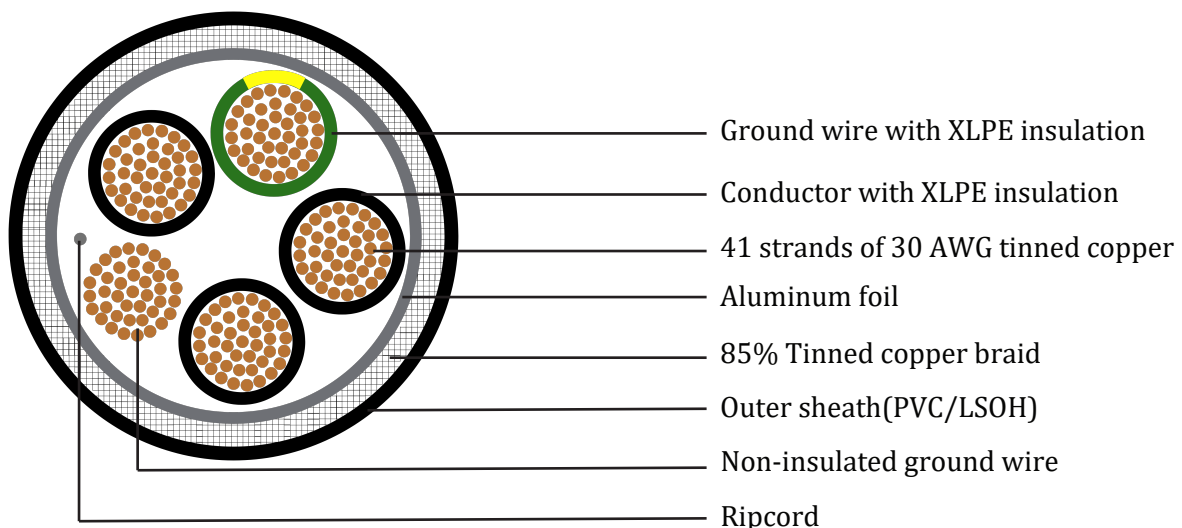
## Electrical characteristics

- 2000V TC-ER WTTC UL Flexible motor supply cable for industrial, exposed, and wet locations
- Conductor direct current resistance (DCR): 8.19  $\Omega$ /km
- Capacitance from conductor to conductor: 160 pF/m
- Capacitance from conductor to other (ground wire/shield): 300 pF/m
- Characteristic impedance: 36 $\Omega$
- 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.20.T-3XE14.XE14+U14.FB.P.B.5 | 3C 2000V VFD cable 14AWG TC XLPE Ins,<br>14AWG TC XLPE Ins ground, 14AWG TC Non Ins ground,<br>Overall Aluminum foil+ TC Braid, PVC 500m, Black |

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