ÖLFLEX® TRAY VTC & VTCS

UDB201803EN
Date: August 1, 2026

1. APPLICATION

ÖLFLEX® TRAY VTC & VTCS are a multi-conductor cable approved for use in cable trays. It is UL TC-ER & CSA CIC, making it perfect for new plant installations and factory expansions. Premium PVC insulation provides greater flexibility over PVC/nylon without sacrificing cable size.

Applications:

Plant expansion; contractor markets; A&E firm plant designs; tray wiring; anywhere VNTC® cables are used

Underwriters Laboratories

For Tray use in exposed run applications, Wind Turbines, and internal or external wiring of electrical and electronic equipment.

Canadian Standards

For use as Control Instrumentation, Appliance Wiring Material and internal or external wiring of electrical and electronic equipment applications.

2. CABLE DESCRIPTION

- Bare copper flexible stranding
- Specially formulated PVC insulation
- Black color coded conductors with white identification
- Green/Yellow ground wire
- Overall Foil Shield and TC Drain Wire (ÖLFLEX® Tray VTCS only)
- Black UV and flame resistant specially formulated PVC jacket

3. TECHNICAL DATA

Conductor Stranding	18 AWG (0,82 mm²) to 6 AWG (13,40 mm²): Class B	
Design / Make-up	Cable is designed in accordance with the requirements of UL Standard1277 and with CSA standards C22.2 No. 210, 230 & No. 239	
Insulation	Specially formulated PVC insulation	
Color Code	Black conductors with white identification per ICEA-NEMA (K-2) Color code chart 10, plus green/yellow (30% stripe width)	
Shield	Overall Foil Shield (foil facing in) with Tinned Copper Drain Wire (ÖLFLEX® VTCS only)	
Outer Sheath	Specially formulated PVC jacket	
Nominal Voltage	UL TC: UL WTTC: UL AWM / cRU AWM:	600V 1000V 1000V
Test Voltage	2000V	
Min Bend radius	For installation: Shielded:	4 x OD 6 x OD

This data sheet contains the latest product specification information available. Data sheet is subject to change without prior notice.

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Temperature Range	UL TC / c(UL) CIC:	-25°C to +90°C
	For stationary use:	-40°C to +105°C
	For flexible use:	-5°C to +90°C
Cable Attributes	OR-02, FR-03, FL-01, MP-03 90°C Wet or Dry, Sunlight resistant, Direct Burial	
Approvals	UL AWM 20886 (Appliance Wiring Material) per UL 758 UL Type TC (Tray Cable) - ER (Exposed Run) per UL 1277 UL WTTC (Wind Turbine Tray Cable) per UL 2277 c(UL) CIC FT4 per CSA C22.2 No. 239 for ≤ 14 AWG only cRU AWM II A/B FT4 per CSA C22.2 No. 210	
Additional	NEC Article 336, Article 501 Class 1 Division 2 NFPA 79 LVD 2014/35/EU (Low Voltage Directive) RoHS directive UKCA	

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