

# ÖLFLEX® TRAY II/TRAY II CY

Extremely Oil-Resistant & Flexible Tray Cable with UL & CSA; Unshielded & Shielded



ÖLFLEX® TRAY II is an industrial grade tray cable with superior oil performance for long cable life. It has a pressure-extruded jacket and fine copper stranding for excellent flexibility, making it much easier to pull through tray. With UL TC-ER approval, no conduit is needed so you can reduce material costs along with saving on labor. ÖLFLEX® TRAY II CY is designed with foil tape and tinned copper braid shield for improved effectiveness.

## Recommended Applications

Industrial plant expansions; automotive plants; tray wiring; anywhere VNTC® cables are used

## Approvals



Cable Attributes		page 640	
OIL	OR-03	FLAME	FR-03
MOTION	WT-02	MECH.	MP-03

Complete the Installation	
SKINTOP® Strain Relief	EPIC® Connectors
page 488	page 280

## Unshielded Construction

- Conductors:** Finely stranded bare copper
- Insulation:** Specially formulated PVC/nylon
- Jacket:** Specially formulated thermoplastic polymer; black

## Shielded Construction

- Conductors:** Finely stranded bare copper
- Insulation:** Specially formulated PVC/nylon
- Shielding:** Foil tape; tinned copper braid (70% coverage)
- Jacket:** Specially formulated thermoplastic polymer; black

## Application Advantage

- Oil-resistant pressure-extruded jacket improves flexibility
- Easier to pull than standard tray cables; lower labor costs
- UL TC-ER reduces material costs; no conduit is needed
- Black numbered conductors for easy identification
- Improved shielding effectiveness

## Technical Data

<p> <b>Minimum Bend Radius:</b>                  - for installation:                    - &lt; 1 AWG: 4 x cable diameter                    - ≥ 1 AWG: 6 x cable diameter                  - shielded: 6 x cable diameter</p> <p> <b>Temperature Range:</b>                  - UL/CSA TC: -25°C to +90°C                  - for stationary use: -40°C to +105°C                  - for flexible use: -25°C to +105°C</p> <p> <b>Nominal Voltage:</b>                  - UL/CSA TC: 600V                  - UL WTTC/CSA AWM: 1000V</p> <p> <b>Test Voltage:</b>                  - up to 1 AWG: 2000V                  - 1 AWG &amp; larger: 4000V</p> <p> <b>Conductor Stranding:</b>                  - 18-6 AWG: Class 5 fine wire*                  - 4-2 AWG: Class K fine wire                  - 1 AWG - 500 KCMIL: Stranded wire                  * 18 AWG meets only Class 5 cross section and DC resistance</p>	<p> <b>Color Code:</b> Black with white printing, plus green/yellow ground</p> <p> <b>Approvals:</b></p> <p>UL: TC-ER per UL 1277                  MTW per UL 1063                  WTTC per UL 2277                  Submersible Pump (14 - 2 AWG)                  PLTC-ER per UL 13 (18 - 12 AWG)                  ITC-ER per UL 2250 (18 - 12 AWG)                  DP-1 per UL 1690                  AWM 20886 (18 - 2 AWG)</p> <p>Attributes: UL Oil Res I/II                  75°C Wet; 90°C Dry                  Sunlight Resistant                  Direct Burial                  NFPA 79</p> <p>NEC: Class 1 Division 2 per NEC Article 501                  Canada: c(UL) CIC/TC FT4 (18 - 4/0 AWG)                  CSA AWM I/II A/B FT4</p> <p>Additional: Torsion Rated for Wind Market                  (± 90°/m) &amp; (± 150°/m)                  (18 - 2 AWG)                  CE &amp; RoHS                  MSHA: P-07-KA050016-MSHA (shielded only)</p>
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