ÖLFLEX® TRAY II & TRAY II CY

UDB221803EN
Date: February 22, 2024

1. APPLICATION

ÖLFLEX® TRAY II & TRAY II CY are 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 easier to pull through Tray. The shielded version with overall foil tape and tinned copper braid provides protection against EMI and RFI. No conduit required which provides savings on material costs and labor.

Applications:

Plant and Factory expansions, automotive plants, tray installations, can substitute for anywhere that industrial tray cables are used.

Underwriters Laboratories

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

Canadian Standards

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

2. CABLE DESCRIPTION

- Bare copper fine wire
- PVC/Nylon insulation
- Black color coded conductors with white identification
- Green/Yellow ground wire
- Overall Foil and TC Braid Shield
- Black UV, oil and flame resistant specially formulated thermoplastic polymer jacket

3. TECHNICAL DATA

Conductor Stranding	18 AWG (1,0 mm²) to 6 AWG (16,0 mm²): Class 5 (IEC 60228; VDE 0295) 18 AWG meets only class 5 cross section and DC conductor resistance 4 AWG (21,0 mm²) to 2 AWG (33,7 mm²): Class K 1 AWG (42,3 mm²) to 4/0 AWG (106,7 mm²): Class K (ÖLFLEX TRAY II only) 250 MCM to 500 MCM: Class I (ÖLFLEX TRAY II only)	
Design / Make-up	Cable is designed in accordance with the requirements of UL Standard1277 and with CSA standards C22.2 No. 230 & No. 239	
Insulation	Specially formulated PVC insulation with Nylon	
Color Code	Black conductors with white numbers plus green/yellow (30% stripe width) 2 conductor cable: No green/yellow ground	
Shield	Foil and Tinned Copper Braid Shield (70% coverage) (ÖLFLEX TRAY II CY only)	
Outer Sheath	Specially formulated thermoplastic polymer jacket	
Nominal Voltage	UL / CSA TC: UL WTTC: VDE U_0/U:	600V 1000V 600/1000V

ÖLFLEX® TRAY II & TRAY II CY

UDB221803EN
Date: February 22, 2024

Test Voltage	2000V:	18 AWG to 2 AWG	
	4000V:	1 AWG to 500 MCM	
Min Bend radius	For installation:	2 AWG & smaller:	4 x OD
		1 AWG & larger:	6 x OD
	Shielded:	2 AWG & smaller:	6 x OD
Temperature Range	UL/CSA TC:	-25°C to +90°C	
	For stationary use:	-40°C to +105°C	
	For flexible use:	-25°C to +105°C	
Cable Attributes	OR-03, FR-03, WT-02, MP-03 Sunlight resistant, Direct Burial		
Approvals	UL MTW (Machine-Tool Wire) per UL 1063 UL AWM 20886 (Appliance Wiring Material) per UL 758 (Excludes 1 AWG to 500 MCM sizes) UL Type TC (Tray Cable) - ER* (Exposed Run) per UL 1277 DP-1 (Data Processing Cable) per UL 1690 UL PLTC (Power Limited Tray Cable) –ER* (Exposed Run) per UL 13 (18 AWG - 12 AWG) UL ITC (Instrumentation Tray Cable) –ER* (Exposed Run) per UL 2250 (18 AWG - 12 AWG) UL WTTC (Wind Turbine Tray Cable) per UL 2277 UL Submersible Pump Cable (14AWG and larger, up to 7 conductors) c(UL) CIC/TC-ER FT4 per CSA C22.2 No. 239 / CSA C22.2 No. 230 (Excludes 250 MCM to 500 MCM sizes) CSA AWM I/II A/B FT4 per CSA C22.2 No. 210 * For -ER: Minimum 3 conductors required Note: -ER addition for Canada (c(UL) listing): 18 - 2AWG: As of January 2024 (with mfg. date code printed E/01)		
Additional	NEC Article 336, Article 501 NFPA 79 P07-KA050016-MSHA (ÖLFLEX TRAY II CY only) VDE 250-1 (meets rated voltage requirements only) LVD 2014/35/EU (Low Voltage Directive) RoHS directive		