

ÖLFLEX® TRAY II



Info

- According to NFPA 79 Edition 2007 "Electrical Standard for Industrial Machinery" USA

Benefits

- Broad application range due to multiple approvals
- Cost saving, easy installation due to re-nouncement of closed raceways (suitable for open wiring)

Application range

- Industrial machinery; plant engineering
- TC-ER (Tray Cable Exposed Run) approval for open wiring between cable tray and industrial machines/plants acc. to NEC 336.10(7)
- Wind Turbines: USA Wind Turbine Tray Cable (WTTC)
- Class 1, Div. 2 per NEC "National Electrical Code" Art. 336, 392, 501
- Outdoor use suitable

Product features

- Flame retardant according to CSA FT4 UL Vertical-Tray Flame Test
- Oil resistant according to UL OIL RES I
- Water resistant UL Wet Approval 75 °C
- UV resistant UL SUN RES

Approvals (Norm references)



- Multi standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil nominal sizes. The master size is mentioned in the table below, the equivalent size of the other system can be found in the catalogue appendix T 16. For this related secondary size the conductor cross-section mostly works out greater than the specified nominal value.

Design

- Fine strands of bare copper wires
- Insulation: PVC with nylon jacket (PA skin)
- Special blended PVC outer sheath, black (RAL 9005)

Technical data

Core identification code
Black with white numbers

Approvals
UL MTW, TC-ER, WTTC 1000V, BUS DROP c(UL) Type TC and CIC FT4
CSA AWM I/II A/B FT4

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Fine copper wire strands

Minimum bending radius
5 x cable diameter

Rated voltage
UL/CSA: 600 V (TC, MTW, CIC), WTTC 1000V
UL/CSA: 1000 V (AWM)
HAR U₀/U: 300/500 V

Test voltage
2000 V

Protective conductor
G = with protective conductor GN/YE
X = without protective conductor

Range of temperature
Fixed installation: -40°C up to +90°C

Part number	Number of cores and mm ² per conductor	AWG	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® Tray II					
221803	3G1		7.5	28.8	85.0
221804	4G1		8.1	38.4	98.0
221805	5G1		8.9	48.0	115.0
221807	7G1		9.5	67.0	149.0
221809	9G1		11.1	87.0	167.0
221812	12G1		12.1	115.0	255.0
221818	18G1		14.8	173.0	365.0
221825	25G1		17.0	240.0	479.0
221603	3G1,5		8.1	43.0	103.0
221604	4G1,5		8.7	58.0	124.0
221605	5G1,5		9.5	72.0	146.0
221607	7G1,5		10.2	101.0	189.0
221608	8G1,5		11.0	116.0	203.0
221609	9G1,5		11.8	130.0	255.0
221612	12G1,5		13.3	173.0	328.0
221618	18G1,5		16.2	259.0	431.0
221625	25G1,5		18.7	360.0	592.0
221641	41G1,5		24.5	591.0	931.0
221650	50G1,5		25.7	720.0	1,132.0
221403	3G2,5		8.8	72.0	130.0
221404	4G2,5		9.6	96.0	159.0
221405	5G2,5		10.4	120.0	191.0
221407	7G2,5		11.3	168.0	252.0
221409	9G2,5		13.1	216.0	335.0
221412	12G2,5		15.5	288.0	459.0
221418	18G2,5		17.8	432.0	654.0
221425	25G2,5		20.5	600.0	874.0
221204	4G4		11.4	153.0	226.0
221205	5G4		12.5	192.0	279.0
221207	7G4		14.5	269.0	384.0
221004	4G6		15.1	231.0	394.0
221005	5G6		16.5	288.0	472.0
221007	7G6		17.9	405.0	661.0
220804	4G10		19.5	384.0	615.0
220805	5G10		22.6	480.0	771.0
220604	4G16		22.8	615.0	864.0
220605	5G16		24.9	768.0	1,080.0
220404	4 G	4	27.7	960.0	1,418.0
220204	4 G	2	32.0	1,344.0	2,077.0

Copper price basis: EUR 150 / 100 kg; For utilization and definition of „Metal price basis“ and „Metal index“ see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
Please specify the desired make-up (e.g. 1 x 610 m drum or 8 x 76 m coils)

Comparable products

- ÖLFLEX® CONTROL TM see page 45
- ÖLFLEX® CONTROL M see page 69

Accessories

- SKINTOP® MS-M see page 650
- SKINTOP® ST-M see page 641