



Info

- Torsion resistant for drip loops
- Broad application range (NFPA 70/NEC), NFPA 79 compliance, Outdoor use
- EMC/Screened

ÖLFLEX® TRAY II CY

LAPP KABEL STUTTGART ÖLFLEX® TRAY II CY (B) (UL) TC-ER 16 AWG/5C 90 °C DRY 75 °C WET 600 V SUN RES DIR BUR or MTW E 171371--c(UL) CIC FT4--CSA AWM II A/B 90C 600V FT4 LL74246 CE



Benefits

- Wide application range due to multiple approvals
- Cost-saving, easy installation due to omission 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 (WTTTC)
- Class 1, Div. 2 in accordance with NEC "National Electrical Code" Art. 336, 392, 501
- Suitable for outdoor use and direct burial

Product features

- Flame-retardant according to CSA FT4 UL Vertical-Tray Flame Test
- Oil-resistant according to UL OIL RES I & II
- Water-resistant, UL Wet Approval 75 °C
- UV-resistant UL SUN RES
- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Norm references / Approvals

- Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the specified nominal value.
- Approvals: UL MTW (Machine-tool Wire) [E155920]; UL AWM (Appliance Wiring Material-Component) [E100338]; UL Wet Approval 75°C; UL Type TC (Tray Cable) - ER (Exposed Run) [E171371] or DP-1; UL PLTC (Power Limited Tray Cable); UL ITC (Instrumentation Tray Cable); UL WTTTC (FT4) [E323700]; OIL RES. I, OIL RES. II; UL AWM 2587 & 21098 (Oil); P-07-KA050016-MSHA (ÖLFLEX® TRAY II CY); c(UL) CIC / TC and FT4; CSA-AWM I/II A/B FT4

Product make-up

- Fine-wire strand made of bare copper wires
- Insulation: PVC+nylon sheath (PA skin)
- Aluminum-coated foil
- Tinned-copper braiding
- Outer sheath made of special PVC compound, black

Technical data

Classification
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable

Core identification code
Black with white numbers

Conductor stranding
Fine copper wire strands

Torsion movement in WTG
TW-0 & TW-2, refer to Appendix T0

Minimum bending radius
Static/Occ. moved: 5/20xOD*

Nominal voltage
UL/CSA: 600 V (TC, MTW, CIC), WTTTC 1000V
UL/CSA: 1000 V (AWM)
VDE U₀/U: 600/1000 V

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

Temperature range
-40°C (static) / -25°C (occ. moved) to +90°C (AWM: +105°C)

Article number	Number of cores and mm ² per conductor	AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® Tray II CY					
2218030	3 G 1.0		8.2	35.1	119
2218040	4 G 1.0		8.8	55.2	137
2218050	5 G 1.0		9.4	65.8	149
2218070	7 G 1.0		10.1	86.9	193
2218120	12 G 1.0		12.9	149.3	330
2218180	18 G 1.0		15.7	214.2	438
2218250	25 G 1.0		17.7	354.2	574
2216030	3 G 1.5		8.9	59.8	144
2216040	4 G 1.5		9.6	74.5	173
2216050	5 G 1.5		10.3	93.5	189
2216070	7 G 1.5		11.3	130.5	246
2216120	12 G 1.5		15.1	213.8	426
2216180	18 G 1.5		17.3	312.4	515
2216250	25 G 1.5		19.6	415.6	708
2214030	3 G 2.5		9.8	91.2	180
2214040	4 G 2.5		10.7	125.7	223
2214050	5 G 2.5		11.6	150.1	268
2214070	7 G 2.5		12.5	201.2	327
2214120	12 G 2.5		16.9	333.6	595
2214180	18 G 2.5		19.5	487.6	784
2214250	25 G 2.5		23.3	685.1	1048
2212040	4 G 4		12.5	186.4	315
2212050	5 G 4		14.4	232.6	388
2212070	7 G 4		15.5	310.2	499
2210040	4 G 6		15.5	271.7	552
2210070	7 G 6		18.2	457.4	856
2208040	4 G 10		18.7	438.6	857
2206040	4 G 16		23.3	699.0	1208
2204040	4 G	4	28.6	1,296.8	1982
2202040	4 G	2	33.2	1,899.5	2903

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
 Please specify the preferred type of packaging (e.g. 1 x 610 m drum or 8 x 76 m coils).
 Photographs are not to scale and do not represent detailed images of the respective products.
 *OD = Outer diameter

Similar products

- ÖLFLEX® CONTROL TM CY refer to page 51

Accessories

- SKINTOP® MS-SC-M refer to page 674