

## ÖLFLEX® TRAY II CY

ÖLFLEX® Control Cable 0.6/1 kV, UL TC-ER 600V AWM WET OIL/ SUN RES TRAY Screened

ÖLFLEX® TRAY II CY: UL TC-ER 600V, AWM 1000V WET 75°C SUN/ OIL RES I+II DIR BUR CSA AWM I/II A/B FT4 Screened PVC power control cable 0.6/1 kV, Tray Exposed Run

### Info

Outdoor use in USA

Broad application range (NFPA 70/NEC), NFPA 79 compliance

EMC/Screened

LAPP KABEL STUTTGART ÖLFLEX® TRAY II CY (B) (UL) TC-ER 600V AWM WET 75°C SUN/ OIL RES I+II DIR BUR CSA AWM I/II A/B FT4 L171240



UV-resistant



Torsion-resistant



Interference signals



Oil-resistant



Mechanical resistance



Suitable for outdoor use



Flame-retardant



Cold-resistant

Last Update (09.02.2018)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## ÖLFLEX® TRAY II CY

### Benefits

Many certifications/ use types  
Cost-saving, fast installation omitting protection systems  
75 °C WET Rating + Sunlight Resistant Rating: Outdoor use in the USA  
Electromagnetic field screening

### Application range

Industrial machinery; plant engineering  
Unprotected 600V operation on cable tray in the USA, incl. 6 ft. Exposed Run laying sections  
Compliant with Tool machines: (UL) MTW  
Outdoor use and Direct Burial in the USA  
USA Wind Turbine Tray Cable (WTTC)

### 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 75°C WET rating  
UV resistant (SUN RES), Ozone resistant  
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

### Norm references / Approvals

USA: (UL) TC-ER [E171371], (UL) MTW [E155920], (UL) WTTC [E323700], Submersible Pump (14 - 2 AWG), (UL) PLTC-ER (18 - 12 AWG) [E216027], (UL) ITC-ER (18 - 12 AWG) [E196134], (UL) DP-1 [E233406], UL AWM (18 - 2 AWG) [E100338]  
UL OIL RES I/ II, 75°C WET, 90°C DRY, SUN RES, DIR BUR, NEC/NFPA 70, NFPA 79  
CAN: c(UL) CIC/ TC 600V FT4 (< 250 kcmil) [E171371], CSA AWM I/II A/B FT1

### Product Make-up

Fine-wire strand made of bare copper wires  
Insulation: PVC+nylon sheath (PA skin)  
Aluminum-coated foil  
Tinned-copper braiding  
Outer jacket: Specially formulated thermoplastic polymer  
Color of the outer jacket: Black

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 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: 5/20 x OD*
Nominal voltage:	UL/CSA: 600 V (TC, MTW, CIC), WTTC 1000 V UL/CSA: 1000 V (AWM)
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)

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## ÖLFLEX® TRAY II CY

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  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 and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

\*OD = Outer diameter

**ÖLFLEX® TRAY II CY**

Article number	Number of cores and mm <sup>2</sup> per conductor	AWG per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® Tray II CY					
2218030	3 G 1	-	8.2	35.1	119
2218040	4 G 1	-	8.8	55.2	137
2218050	5 G 1	-	9.4	65.8	149
2218070	7 G 1	-	10.1	86.9	193
2218120	12 G 1	-	12.9	149.3	330
2218180	18 G 1	-	15.7	214.2	438
2218250	25 G 1	-	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
2212070	7 G 4	-	15.5	310.2	499
2210040	4 G 6	-	15.5	271.7	552
2208040	4 G 10	-	18.7	438.6	857
2206040	4 G 16	-	23.3	699	1208
2204040	4 G	4	28.6	1,296.8	1982
2202040	4 G	2	33.2	1,899.5	2903

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