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

Suitable for outdoor use

Flame-retardant

Cold-resistant

Mechanical resistance

Oil-resistant

Interference signals

Torsion-resistant

UV-resistant

Last Update (24.04.2020)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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 in the USA
Unprotected 600V operation on cable tray in the USA, incl. 6 ft. Exposed Run laying sections for version with at least 3 conductors
Compliant with Tool machines: (UL) MTW
Outdoor use and Direct Burial in the USA, per UL 1277
USA Wind Turbine Tray Cable (WTTC) for Wind Turbine Generators

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) IEC: U_0/U = 600/1000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor

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

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
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 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.

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Article number	Number of cores and mm² per conductor	AWG per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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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 4.0	-	12.5	186.4	315
2212070	7 G 4.0	-	15.5	310.2	499
2210040	4 G 6.0	-	15.5	271.7	552
2208040	4 G 10.0	-	18.7	438.6	857
2206040	4 G 16.0	-	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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