



ÖLFLEX® TRAY II CY

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



Info

- Outdoor use in USA
- Broad application range (NFPA 70/NEC), NFPA 79 compliance
- EMC/Screened

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, NFPA 79 2012 + 2015 Edition
- CAN: c(UL) CIC/ TC 600V FT4 (< 250 kcmil) [E171371], CSA AWM I/II A/B FT 1

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 5/6**
ETIM 5.0/6.0 Class-ID: EC000104
ETIM 5.0/6.0 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)

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
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	699.0	1208
2204040	4 G	4	28.6	1296.8	1982
2202040	4 G	2	33.2	1899.5	2903

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100 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.
 *OD = Outer diameter

Similar products

- ÖLFLEX® CONTROL TM CY refer to page 56

Accessories

- SKINTOP® MS-HF-M SC refer to page 707
- SKINTOP® MS-SC-M refer to page 701