



ÖLFLEX® TRAY II

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

**Info**

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

**Benefits**

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

**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 (WTTTC)

**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) WTTTC [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)
- 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: 5/15 x OD\*

**Nominal voltage**  
UL/CSA: 600 V (TC, MTW, CIC), WTTTC 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 <sup>2</sup> per conductor	AWG per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® Tray II</b>					
221803	3 G 1.0		7.5	240	85
221804	4 G 1.0		8.1	38.4	98
221805	5 G 1.0		8.8	48	115
221807	7 G 1.0		9.5	67	149
221812	12 G 1.0		12.1	115	255
221818	18 G 1.0		14.9	173	365
221825	25 G 1.0		16.9	240	479
221603	3 G 1.5		8.3	43	103
221604	4 G 1.5		8.9	58	124
221605	5 G 1.5		9.7	72	146
221607	7 G 1.5		10.5	101	189
221609	9 G 1.5		12.1	130	255
221612	12 G 1.5		14.4	173	328
221618	18 G 1.5		16.6	259	431
221625	25 G 1.5		18.8	360	592
221641	41 G 1.5		25.0	591	931
221403	3 G 2.5		9.2	72	130
221404	4 G 2.5		10.0	96	159
221405	5 G 2.5		10.8	120	224
221407	7 G 2.5		11.8	168	252
221412	12 G 2.5		16.2	288	459
221418	18 G 2.5		18.7	432	654
221425	25 G 2.5		22.5	600	874
221204	4 G 4		11.7	153	226
221205	5 G 4		12.8	192	279
221004	4 G 6		14.7	231	394
221005	5 G 6		16.0	288	472
221007	7 G 6		17.4	405	661
220804	4 G 10		17.9	384	615
220805	5 G 10		19.6	480.6	771
220604	4 G 16		22.8	615	864
220605	5 G 16		24.9	768	1080
220404	4 G	4	27.8	960	1418
220204	4 G	2	32.3	1344	2077

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 ≤ 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 refer to page 55

**Accessories**

- SKINTOP® MS-M refer to page 696
- SKINTOP® ST-M refer to page 684
- SKINTOP® ST-M Small PU
- SKINTOP® BS-M METAL / SKINTOP® BSR-M METAL refer to page 698