

Product Description

Broad application range due to multiple approvals; Cost saving, easy installation due to renouncement of closed raceways (suitable for open wiring)

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



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 (WTTC)
- Class 1, Div. 2 per NEC "National Electrical Code" Art. 336, 392, 501
- Outdoor use suitable

Benefits

- Broad application range due to multiple approvals
- Cost saving, easy installation due to renouncement of closed raceways (suitable for open wiring)

Design

- Fine strands of bare copper wires
- Insulation: PVC with nylon jacket (PA skin)
- Special blended PVC outer sheath, black (RAL 9005)

Approvals (Norm references)

- Multi standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil nominal sizes. The master size is mentioned in the table below, the equivalent size of the other system can be found in the catalogue appendix table T16. For this related secondary size the conductor cross-section mostly works out greater than the specified nominal value.

Product features

- Flame retardant according to CSA FT4 UL Vertical-Tray Flame Test
- Oil resistant according to UL OIL RES I
- Water resistant UL Wet Approval 75 °C

- UV resistant UL SUN RES

Technical Data

Core identification code

Black with white numbers

Approvals

UL MTW, TC-ER, WTTTC 1000V, BUS DROP c(UL)

Type TC and CIC FT4 CSA AWM I/II A/B FT4

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine copper wire strands

Minimum bending radius

5 x cable diameter

Rated voltage

UL/CSA: 600 V (TC, MTW, CIC), WTTTC 1000V

UL/CSA: 1000 V (AWM) HAR U0 /U: 300/500 V

Test voltage

2000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Fixed installation: -40°C up to +90°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km	AWG per conductor
ÖLFLEX® Tray II					
221803	3 G 1,0	7,5	28.8	85	
221804	4 G 1,0	8,1	38.4	98	
221805	5 G 1,0	8,9	48.0	115	
221807	7 G 1,0	9,5	67.0	149	
221809	9 G 1,0	11,1	87.0	167	
221812	12 G 1,0	12,1	115.0	255	
221818	18 G 1,0	14,8	173.0	365	
221825	25 G 1,0	17.0	240.0	479	
221603	3 G 1,5	8,1	43.0	103	
221604	4 G 1,5	8,7	58.0	124	
221605	5 G 1,5	9,5	72.0	146	
221607	7 G 1,5	10,2	101.0	189	
221608	8 G 1,5	11.0	116.0	203	
221609	9 G 1,5	11,8	130.0	255	
221612	12 G 1,5	13,3	173.0	328	

221618	18 G 1,5	16,2	259.0	431	
221625	25 G 1,5	18,7	360.0	592	
221641	41 G 1,5	24,5	591.0	931	
221650	50 G 1,5	25,7	720.0	1132	
221403	3 G 2,5	8,8	72.0	130	
221404	4 G 2,5	9,6	96.0	159	
221405	5 G 2,5	10,4	120.0	191	
221407	7 G 2,5	11,3	168.0	252	
221409	9 G 2,5	13,1	216.0	335	
221412	12 G 2,5	15,5	288.0	459	
221418	18 G 2,5	17,8	432.0	654	
221425	25 G 2,5	20,5	600.0	874	
221204	4 G 4	11,4	153.0	226	
221205	5 G 4	12,5	192.0	279	
221207	7 G 4	14,5	269.0	384	
221004	4 G 6	15,1	231.0	394	
221005	5 G 6	16,5	288.0	472	
221007	7 G 6	17,9	405.0	661	
220804	4 G 10	19,5	384.0	615	
220805	5 G 10	22,6	480.0	771	
220604	4 G 16	22,8	615.0	864	
220605	5 G 16	24,9	768.0	1080	
220404	4 G	27,7	960.0	1418	4
220204	4 G	32.0	1344.0	2077	2

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired make-up (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.