

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 CY (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)
- Aluminum-plated foil
- tinned copper braid
- 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, WTTC 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), WTTC 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 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	15,6	214.2	438	
2218250	25 G 1,0	17,9	354.2	574	
2216030	3 G 1,5	8,8	59.8	144	
2216040	4 G 1,5	9,5	74.5	173	
2216050	5 G 1,5	10,2	93.5	189	
2216070	7 G 1,5	11,1	130.5	246	
2216120	12 G 1,5	14,1	213.8	426	
2216180	18 G 1,5	17,0	312.4	515	
2216250	25 G 1,5	19,5	415.6	708	

2214030	3 G 2,5	9,5	91.2	180	
2214040	4 G 2,5	10,4	125.7	223	
2214050	5 G 2,5	11,2	150.1	268	
2214070	7 G 2,5	12,1	201.2	327	
2214120	12 G 2,5	16,3	333.6	595	
2214180	18 G 2,5	18,6	487.6	784	
2214250	25 G 2,5	21,4	685.1	1048	
2212040	4 G 4	12,2	186.4	315	
2212050	5 G 4	13,3	232.6	388	
2212070	7 G 4	15,3	310.2	499	
2210040	4 G 6	15,9	271.7	552	
2210070	7 G 6	18,8	457.4	856	
2208040	4 G 10	20,3	438.6	857	
2206040	4 G 16	23,6	699.0	1208	
2204040	4 G	28,8	1296.8	1982	4
2202040	4 G	33,3	1899.5	2903	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.