

ÖLFLEX® Tray Cable In Stock at LAPP Tannehill

Tray-rated cable

ÖLFLEX® TRAY II/TRAY II CY

Extremely oil-resistant & flexible tray cable with UL & CSA; unshielded & shielded



ÖLFLEX® TRAY II is an industrial grade tray cable with superior oil performance for long cable life. It has a pressure-extruded jacket and fine copper stranding for excellent flexibility, making it much easier to pull through tray. With UL TC-ER approval, no conduit is needed so you can reduce material costs along with saving on labor. ÖLFLEX® TRAY II CY is designed with foil tape and tinned copper braid shield for improved effectiveness.

Recommended applications

Industrial plant expansions; automotive plants; tray wiring; anywhere VNTC® cables are used

Approvals



Cable attributes

OIL	OR-03	FLAME	FR-03
MOTION	WT-02	MECH.	MP-03

Unshielded construction

Conductors: finely stranded bare copper

Insulation: specially formulated PVC/nylon

Jacket: specially formulated thermoplastic polymer; black

Shielded construction

Conductors: finely stranded bare copper

Insulation: specially formulated PVC/nylon

Shielding: foil tape; tinned copper braid (70% coverage)

Jacket: specially formulated thermoplastic polymer; black

Application advantage

- Oil-resistant pressure-extruded jacket improves flexibility
- Easier to pull than standard tray cables; lower labor costs
- UL TC-ER reduces material costs; no conduit is needed
- Black numbered conductors for easy identification
- Improved shielding effectiveness

Technical data

Minimum bend radius:

- for installation:
 - < 1 AWG: 4 x cable diameter
 - ≥ 1 AWG: 6 x cable diameter
- shielded: 6 x cable diameter

Color code:

black with white printing, plus green/yellow ground

Temperature range:

- UL/CSA TC: -25°C to +90°C
- for stationary use: -40°C to +105°C
- for flexible use: -25°C to +105°C

Nominal voltage:

- UL/CSA TC: 600V
- UL WTTC/CSA AWM: 1000V

Test voltage:

- up to 1 AWG: 2000V
- 1 AWG & larger: 4000V

Conductor stranding:

- 18 - 6 AWG: Class 5 fine wire*
 - 4 - 2 AWG: Class K fine wire
 - 1 AWG - 500 KCMIL: stranded wire
- * 18 AWG meets only Class 5 cross section and DC resistance

Approvals:

- UL: TC-ER per UL 1277
 MTW per UL 1063
 WTTC per UL 2277
 submersible pump (14 - 2 AWG)
 PLTC-ER per UL 13 (18 - 12 AWG)
 ITC-ER per UL 2250 (18 - 12 AWG)
 DP-1 per UL 1690
 AWM 20886 (18 - 2 AWG)
- Attributes: UL Oil Res I/II
 75°C wet; 90°C dry
 sunlight resistant
 direct burial
 NFPA 79
- NEC: Class 1 Division 2 per NEC Article 501
- Canada: c(UL) CIC/TC FT4 (18 - 4/0 AWG)
 CSA AWM I/II A/B FT4
- Additional: torsion rated for wind market
 (± 90°/m) & (± 150°/m)
 (18 - 2 AWG)
 CE & RoHS
 MSHA: P-07-KA050016-MSHA
 (shielded only)

Flip over to see what we have available in stock today!



ÖLFLEX® TRAY II

**Part numbers outlined are in-stock and ready to ship. Data retrieved Oct 2024.

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
18 AWG (1 mm²)					
221803	3	0.297	7.5	20	57 S2111
221804	4	0.320	8.1	26	66 S2111
221805	5	0.346	8.8	33	77 S2111
221807	7	0.373	9.5	46	99 S2111
221809	9	0.429	10.9	59	112 S2113
221812	12	0.477	12.1	79	172 S2116
221818	18	0.587	14.9	118	245 S2121
221825	25	0.664	16.9	164	322 S2121
221850	50	0.939	23.9	303	646 S2129
16 AWG (1.5 mm²)					
221603	3	0.325	8.3	29	68 S2111
221604	4	0.351	8.9	39	84 S2111
221605	5	0.381	9.7	49	99 S2113
221607	7	0.412	10.5	68	128 S2113
221608	8	0.444	11.3	78	137 S2113
221609	9	0.476	12.1	88	172 S2116
221612	12	0.565	14.4	117	220 S2121
221616	16	0.621	15.8	155	271 S2121
221618	18	0.652	16.6	175	289 S2121
221625	25	0.741	18.8	242	397 S2129
221634	34	0.904	23.0	296	540 S2129
221641	41	0.986	25.0	357	626 S2136
221650	50	1.048	26.6	436	760 S2136
221661	61	1.085	27.6	533	771 S2136
14 AWG (2.5 mm²)					
221403	3	0.362	9.2	49	88 S2111
221404	4	0.392	10.0	65	106 S2113
221405	5	0.427	10.8	81	128 S2113
221407	7	0.463	11.8	113	170 S2116
221409	9	0.571	14.5	146	225 S2121
221412	12	0.636	16.2	194	309 S2121
221418	18	0.737	18.7	290	439 S2129
221425	25	0.886	22.5	404	586 S2129
12 AWG (4 mm²)					
221203	3	0.423	10.7	78	126 S2113
221204	4	0.460	11.7	104	152 S2113

* SKINTOP® MS-M with metric thread

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
221205	5	0.503	12.8	129	187 S2116
221207	7	0.581	14.8	181	258 S2121
10 AWG (6 mm²)					
221003	3	0.498	12.6	117	218 S2116
221004	4	0.578	14.7	155	264 S2121
221005	5	0.631	16.0	194	317 S2121
221007	7	0.686	17.4	271	445 S2129
8 AWG (10 mm²)					
220804	4	0.703	17.9	258	384 S2129
220805	5	0.772	19.6	323	518 S2129
6 AWG (16 mm²)					
220603	3	0.776	19.7	310	454 S2129
220604	4	0.899	22.8	413	580 S2129
220605	5	0.982	24.9	517	725 S2136
4 AWG (21 mm²)					
220403	3	0.999	25.3	386	919 S2136
220404	4	1.094	27.8	544	952 S2136
2 AWG (33.7 mm²)					
220203	3	1.155	29.3	658	1085 S2136
220204	4	1.272	32.3	859	1320 S2248
1 AWG (42.5 mm²)					
220104	4	1.373	34.9	1033	1780 53112170*
1/0 AWG (53.7 mm²)					
221104	4	1.474	37.4	1337	2035 53112070*
2/0 AWG (67.7 mm²)					
222204	4	1.601	40.7	1602	2475 53112070*
3/0 AWG (85.3 mm²)					
223304	4	1.828	46.4	2000	3015 53112080*
4/0 AWG (107.6 mm²)					
224404	4	1.980	50.3	2503	3835 53112080*
250 KCMIL (127.1 mm²)					
222504	4	2.190	55.6	3105	4405 53112511*
350 KCMIL (177.9 mm²)					
223504	4	2.337	59.4	4602	5995 53112511*
500 KCMIL (254.1 mm²)					
225004	4	2.813	71.5	5649	6216 53112512*

ÖLFLEX® TRAY II CY

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
18 AWG (1 mm²)					
2218030	3	0.322	8.2	29	79 53112220
2218040	4	0.346	8.8	38	93 53112220
2218050	5	0.371	9.4	45	99 53112230
2218070	7	0.398	10.1	59	130 53112230
2218120	12	0.508	12.9	101	223 53112240
2218180	18	0.618	15.7	145	295 53112250
2218250	25	0.695	17.7	238	386 53112260
16 AWG (1.5 mm²)					
2216030	3	0.350	8.9	41	97 53112220
2216040	4	0.376	9.6	51	117 53112230
2216050	5	0.406	10.3	63	128 53112230
2216070	7	0.443	11.3	88	165 53112240
2216120	12	0.596	15.1	144	287 53112250
2216180	18	0.683	17.3	210	346 53112260
2216250	25	0.772	19.6	280	430 53112260
14 AWG (2.5 mm²)					
2214030	3	0.387	9.8	62	121 53112230
2214040	4	0.423	10.7	85	150 53112230
2214050	5	0.458	11.6	101	181 53112240

* SKINTOP® MS-SC with metric thread

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
2214070	7	0.494	12.5	136	220 53112240
2214120	12	0.667	16.9	225	399 53112250
2214180	18	0.768	19.5	328	527 53112260
2214250	25	0.917	23.3	461	705 53112260
12 AWG (4 mm²)					
2212040	4	0.491	12.5	126	212 53112240
2212050	5	0.568	14.4	157	260 53112250
2212070	7	0.612	15.5	209	335 53112250
10 AWG (6 mm²)					
2210040	4	0.609	15.5	183	370 53112250
2210050	5	0.662	16.8	224	412 53112250
2210070	7	0.717	18.2	308	575 53112260
8 AWG (10 mm²)					
2208040	4	0.737	18.7	295	575 53112260
6 AWG (16 mm²)					
2206040	4	0.918	23.3	470	811 53112260
4 AWG (21 mm²)					
2204040	4	1.127	28.6	579	1331 53112270
2 AWG (33.7 mm²)					
2202040	4	1.309	33.2	950	1951 53112670*