

# ÖLFLEX® TRAY II / II CY

Flexible & Oil Resistant Tray Cable with both  
UL & CSA TC Approval for Industrial Applications



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.

**Recommended Applications:**

Industrial plant expansions, Automotive plants, Tray wiring, anywhere that VNTC® cables are used

**Application Advantage:**

- Oil resistant pressure extruded PVC jacket for improved flexibility
- Easier to pull than standard tray cables minimizing labor costs
- UL TC-ER approval to reduce material costs. No conduit is needed.
- Black numbered conductors for easy identification
- UV resistant and direct burial
- UL wet rating 75°C

**ÖLFLEX® TRAY II Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; specially formulated oil resistant black PVC jacket.



**ÖLFLEX® TRAY II CY Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; 100% shielding with foil tape and tinned copper braid (70% coverage); specially formulated oil resistant black PVC jacket

<p><b>Cable Attributes, See Page 653</b></p> <p> Oil Resistance: OR-02</p> <p> Flame Resistance: FR-03</p> <p> Motion Type: FL-01</p> <p> Mechanical Properties: MP-03</p>	<p><b>Availability:</b></p> <p> Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.</p>	<p><b>Complete the installation with:</b></p> <p> SKINTOP® Strain Relief: Page 486</p> <p> EPIC® Connectors: Page 251</p> <p> ÖLFLEX® Servo TC: Page 75</p>
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**Technical Data:**

<p> Minimum Bend Radius: - for installation:     &lt; 1 AWG                      4 x cable diameter     ≥ 1 AWG                     6 x cable diameter</p> <p> 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</p> <p> Nominal voltage: - UL/CSA TC:                    600V - UL/CSA AWM:                1000V - UL WTTC:                      1000V</p> <p> Conductor Stranding: - 18 - 6 AWG:                    Class 4 Fine Wire - 4 - 2 AWG:                      Class K Fine Wire</p> <p> Color Code:                      Black with white numbers, plus green/yellow ground</p>	<p> Approvals:</p> <p>UL:    - TC-ER per UL 1277        - MTW per UL 1063        - WTTC per 2277        - Submersible pump (14 AWG &amp; larger)        - PLTC-ER per UL 13        - ITC-ER per UL 2250        - DP-1 per UL 1690        - AWM 2587 &amp; 21098 (Oil)</p> <p>Attributes:    - UL Oil Res I/II                   - 75°C Wet, 90°C Dry                   - Sunlight Resistant                   - Direct Burial                   - NFPA 79 2012</p> <p>NEC:    - Class 1, Division 2 per NEC Article 501</p> <p>Canada:    - c(UL) CIC/TC FT4               - c(UL) AWM I/II AB FT4</p> <p>Additional:    - MSHA-P-07-KA050016-MSHA (Shielded Only)                   - Torsion Rated for Wind Market (± 90°/m) &amp; (± 150°/m)                   - CE &amp; RoHS</p>
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Please note that VNTC® is a trademark for General Cable Technologies Corporation.

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UL & CSA TC Approval for Industrial Applications



## ÖLFLEX® Tray II: Flexible and Oil Resistant Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (19/30) 1.00 mm <sup>2</sup>							10 AWG (82/.0117) 6 mm <sup>2</sup>						
221802	2	.283	7.2	12	22	33	221205	5	.503	12.8	125	187	279
221803	3	.297	7.5	19	57	85	221207	7	.581	14.8	176	258	384
221804	4	.320	8.1	25	66	98	221004	4	.578	14.7	147	265	394
221805	5	.346	8.8	31	77	115	221005	5	.631	16.0	184	317	472
221807	7	.373	9.5	44	100	149	221007	7	.686	17.4	257	443	661
221809	9	.429	10.9	56	112	167	8 AWG (74/.0159) 10 mm <sup>2</sup>						
221812	12	.477	12.1	75	171	255	220804	4	.703	17.9	245	412	615
221818	18	.587	14.9	113	245	365	220805	5	.772	19.6	306	518	771
221825	25	.664	16.9	156	322	479	6 AWG (119/.0159) 16 mm <sup>2</sup>						
221850	50	.939	23.9	313	646	961	220603	3	.776	19.7	295	462	688
16 AWG (28/30) 1.50 mm <sup>2</sup>							220604	4	.899	22.8	393	580	864
221603	3	.325	8.3	27	69	103	220605	5	.982	24.9	491	725	1080
221604	4	.351	8.9	36	83	124	4 AWG (413/30) 25 mm <sup>2</sup>						
221605	5	.381	9.7	45	98	146	220403	3	.999	25.3	406	918	1367
221607	7	.412	10.5	64	127	189	220404	4	1.094	27.8	541	952	1418
221608	8	.444	11.3	73	136	203	2 AWG (665/30) 35 mm <sup>2</sup>						
221609	9	.476	12.1	82	171	255	220203	3	1.155	29.3	640	1169	1741
221612	12	.565	14.4	109	220	328	220204	4	1.272	32.3	853	1394	2077
221616	16	.621	15.8	145	271	403	1 AWG (836/30) 42.3 mm <sup>2</sup>						
221618	18	.652	16.6	163	289	431	220104	4	1.400	35.6	1096	1978	2947
221625	25	.741	18.8	227	397	592	1/0 AWG (1045/30) 52.9 mm <sup>2</sup>						
221641	41	.986	25.0	372	625	931	221104	4	1.466	37.2	1344	2195	3271
221650	50	1.048	26.6	454	760	1132	2/0 AWG (1330/30) 67.3 mm <sup>2</sup>						
221661	61	1.085	27.6	553	769	1148	222204	4	1.674	42.5	1777	2750	4098
14 AWG (46/30) 2.50 mm <sup>2</sup>							3/0 AWG (1672/30) 84.8 mm <sup>2</sup>						
221403	3	.362	9.2	45	87	130	223304	4	1.695	43.1	2255	3717	5538
221404	4	.392	10.0	60	107	159	4/0 AWG (2107/30) 106.7 mm <sup>2</sup>						
221405	5	.427	10.8	75	128	191	224404	4	2.059	52.3	2839	4694	6994
221407	7	.463	11.8	105	169	252	250 KCMIL (33 x 19/24) 128.4 mm <sup>2</sup>						
221409	9	.571	14.5	135	225	335	222504	4	2.167	55.0	3314	5102	7602
221412	12	.636	16.2	179	308	459	350 KCMIL (24 x 37/24) 181.9 mm <sup>2</sup>						
221418	18	.737	18.7	269	439	654	223504	4	2.501	63.5	4687	5578	8311
221425	25	.886	22.5	374	587	874	500 KCMIL (34 x 37/24) 257.6 mm <sup>2</sup>						
12 AWG (56/.0117) 4 mm <sup>2</sup>							225004	4	2.902	73.7	6615	7090	10564
221203	3	.423	10.7	75	111	165							
221204	4	.460	11.7	100	152	226							

## ÖLFLEX® Tray II CY: Shielded Flexible and Oil Resistant Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (19/30) 1.00 mm <sup>2</sup>							12 AWG (56/.0117) 4 mm <sup>2</sup>						
2218030	3	.322	8.2	21	80	119	2214070	7	.494	12.5	125	220	327
2218040	4	.346	8.8	35	92	137	2214120	12	.667	16.9	208	400	595
2218050	5	.371	9.4	42	100	149	2214180	18	.768	19.5	303	527	784
2218070	7	.398	10.1	56	130	193	2214250	25	.917	23.3	426	704	1048
2218120	12	.508	12.9	96	222	330	10 AWG (82/.0117) 6 mm <sup>2</sup>						
2218180	18	.618	15.7	138	294	438	2210040	4	.609	15.5	173	371	552
2218250	25	.695	17.7	190	386	574	2210050	5	.662	16.8	211	412	613
16 AWG (28/30) 1.5 mm <sup>2</sup>							2210070	7	.717	18.2	291	575	856
2216030	3	.350	8.9	38	97	144	8 AWG (74/.0159) 10 mm <sup>2</sup>						
2216040	4	.376	9.6	48	116	173	2208040	4	.737	18.7	279	576	857
2216050	5	.406	10.3	59	127	189	6 AWG (119/.0159) 16 mm <sup>2</sup>						
2216070	7	.443	11.3	82	165	246	2206040	4	.918	23.3	435	812	1208
2216120	12	.596	15.1	134	286	426	4 AWG (413/30) 25 mm <sup>2</sup>						
2216180	18	.683	17.3	196	346	515	2204040	4	1.127	28.6	613	1332	1982
2216250	25	.772	19.6	261	476	708	2 AWG (665/30) 35 mm <sup>2</sup>						
14 AWG (46/30) 2.5 mm <sup>2</sup>							2202040	4	1.309	33.2	945	1951	2903
2214030	3	.387	9.8	57	121	180							
2214040	4	.423	10.7	78	150	223							
2214050	5	.458	11.6	93	180	268							

The zero at the end of the part number denotes foil and braid shielding.