





OLFLEX® TRAY II/ II CY (UL)

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

OLFLEX® Tray II is a global multi-conductor, 1000 Volt, 90°C, UL Type TC-ER* and MTW, c(UL) Type TC/CIC, CE compliant, oil resistant and flexible control cable with exposed run approval. It is also UV resistant and approved for direct burial. Due to OLFLEX® Tray II's higher stranding, precision extruded jacket, worldwide approvals, and Lapp's renowned quality, OLFLEX® Tray II is a superior alternative to stationary TC cables. These advantages make installations much easier and quicker, and ensure the

cable will hold up to your industrial requirements. OLFLEX® Tray II control cables are designed for use in all electrical equipment in dry, damp, and wet conditions. OLFLEX® Tray II CY has an overall foil tape and tinned copper braid that is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. Effective immediately, all new production of OLFLEX® Tray II CY will have MSHA approval. Call the factory for availability.

OLFLEX® Tray II Construction:

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

OLFLEX® TRAY II -(UL) TYPE TC-ER OR DP-I 90°C 600V---c(UL) TC/CIC FT4--CSA AWM FT4 pbf(+) CE



OLFLEX® Tray II CY Construction:





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

OLFLEX® TRAY II CY-(UL) TYPE TC-ER OR DP-I 90°C 600V---c(UL) TC/CIC FT4--CSA AWM FT4 pbf(+) MSHA CE









Optional color code for the conductors and the jacket are available upon request. Minimums may apply.

Jacket is dual printed with AWG/mm² equivalent.

Cable Attributes							
	OR-02		FR-03		FL-01		MP-03

For an explanation of the attributes, see page 655 of the Lapp full line catalog or the technical section of the website (www.lappusa.com).





Technical Data:

 Minimum Bending Radius for installation:	5 x cable diameter	 Color Code:	Black with white numbers plus green/yellow ground
 Temperature Range:	-40°C to +90°C	 Approvals:	UL Type TC-ER (Exposed Run)* or DP-1 UL Type MTW or UL AWM, Oil Res I Class 1, Div. 2 per NEC Art. 336, 392, 501 P-07-KA050016-MSHA (Shielded Only) c(UL) Type TC and CIC FT4 CSA-AWM I/II A/B FT4 NOM SCFI-1994
 Nominal Voltage:	600V - TC 1000V- AWM		
 Conductor Stranding:	Fine wire		

Conforms to CE Low Voltage Directive

*UL Type TC-ER stands for “exposed run” and is replacing the term “open wiring”. It is a change in terminology only.

OLFLEX® TRAY II/ II CY (UL)

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

OLFLEX® Tray II: Flexible and Oil Resistant Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
18 AWG (19/30) 1.00 mm²						14 AWG (41/30) 2.08 mm²					
221803	3	.296	7.5	57	85	221403	3	.348	8.8	87	130
221804	4	.320	8.1	66	98	221404	4	.378	9.6	107	159
221805	5	.346	8.8	77	115	221405	5	.410	10.4	128	191
221807	7	.373	9.5	100	149	221407	7	.445	11.3	169	252
221809	9	.429	10.9	112	167	221409	9	.515	13.1	225	335
221812	12	.477	12.1	171	255	221412	12	.610	15.5	308	459
221818	18	.587	14.9	245	365	221418	18	.712	18.1	439	654
221825	25	.677	17.2	322	479	221425	25	.826	21.0	587	874
221850	50	.939	23.9	646	961	12 AWG (65/30) 3.30 mm²					
16 AWG (26/30) 1.32 mm²						221204	4	.437	11.1	152	226
221603	3	.321	8.1	69	103	221205	5	.475	12.1	187	279
221604	4	.347	8.7	83	124	221207	7	.556	14.1	258	384
221605	5	.377	9.5	98	146	10 AWG (105/30) 5.32 mm²					
221607	7	.406	10.2	127	189	221004	4	.573	14.6	265	394
221608	8	.438	11.0	136	203	221005	5	.623	15.8	317	472
221609	9	.467	11.8	171	255	221007	7	.677	17.2	443	661
221612	12	.527	13.4	220	328	8 AWG (168/30) 8.52 mm²					
221616	16	.617	15.7	271	403	220804	4	.757	19.2	412	615
221618	18	.647	16.4	289	431	220805	5	.874	22.2	518	771
221625	25	.748	19.0	397	592	6 AWG (266/30) 13.48 mm²					
221641	41	.956	24.3	625	931	220604	4	.853	21.7	580	864
221650	50	1.036	26.3	760	1132	220605	5	.982	24.9	725	1080
221661	61	1.087	27.6	769	1148	4 AWG (413/30) 20.93 mm²					
						220404	4	1.098	27.9	952	1418
						2 AWG (665/30) 33.70 mm²					
						220204	4	1.272	32.3	1394	2077

OLFLEX® Tray II CY: Shielded Flexible and Oil Resistant Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
18 AWG (19/30) 1.00 mm²						12 AWG (65/30) 3.30 mm²					
221803S	3	.322	8.2	80	119	221204S	4	.468	11.9	212	315
221804S	4	.346	8.8	92	137	221205S	5	.506	12.8	261	388
221805S	5	.371	9.4	100	149	221207S	7	.587	14.9	335	499
221807S	7	.398	10.1	130	193	10 AWG (105/30) 5.32 mm²					
221812S	12	.518	13.2	222	330	221004S	4	.604	15.3	371	552
221818S	18	.628	16.0	294	438	221005S	5	.654	16.6	412	613
221825S	25	.718	18.2	386	574	221007S	7	.708	18.0	575	856
16 AWG (26/30) 1.32 mm²						8 AWG (168/30) 8.52 mm²					
221603S	3	.346	8.8	97	144	220804S	4	.801	20.3	576	857
221604S	4	.372	9.4	116	173	6 AWG (266/30) 13.48 mm²					
221605S	5	.400	10.2	127	189	220604S	4	.929	23.6	812	1208
221607S	7	.431	10.9	165	246	4 AWG (413/30) 20.93 mm²					
221612S	12	.597	15.2	286	426	220404S	4	1.127	28.6	1332	1982
221618S	18	.683	17.3	346	515	2 AWG (665/30) 33.70 mm²					
221625S	25	.794	20.2	476	708	220204S	4	1.309	33.2	1951	2903
14 AWG (41/30) 2.08 mm²											
221403S	3	.374	9.5	121	180						
221404S	4	.410	10.4	150	223						
221405S	5	.442	11.2	180	268						
221407S	7	.476	12.1	220	327						
221412S	12	.651	16.5	400	595						
221418S	18	.748	19.0	527	784						
221425S	25	.873	22.2	704	1048						

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