

Section 6. Tray Cables

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Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

ÖLFLEX® TRAY II/II CY, Flexible & Oil Resistant Tray Cable with both UL & CSA TC Approval for Industrial Applications

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

Construction: Finely stranded bare copper conductors; **Insulation:** Specially blended PVC/nylon insulation;
Jacket: Specially formulated oil resistant black PVC jacket.

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

Construction: Finely stranded bare copper conductors; **Insulation:** Specially blended PVC/nylon insulation. 100% shielding with foil tape and tinned copper braid (70% coverage); **Jacket:** Specially formulated oil resistant black PVC jacket.

Features:

ÖLFLEX® TRAY II/II CY 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.

Applications:

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



ÖLFLEX® TRAY II: Flexible and Oil Resistant Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/ft	kg/m	Approx. Weight lbs/ft	kg/m
18 AWG (19/30) 1.00 mm²							
221803	3	.297	7.5	19	57	85	
221804	4	.320	8.1	25	66	98	
221805	5	.346	8.8	31	77	115	
221807	7	.373	9.5	44	100	149	
221809	9	.429	10.9	56	112	167	
221812	12	.477	12.1	75	171	255	
221818	18	.587	14.9	113	245	365	
221825	25	.664	16.9	156	322	479	
221850	50	.939	23.9	313	646	961	
16 AWG (28/30) 1.50 mm²							
221603	3	.325	8.3	27	69	103	
221604	4	.351	8.9	36	83	124	
221605	5	.381	9.7	45	98	146	
221607	7	.412	10.5	64	127	189	
221608	8	.444	11.3	73	136	203	
221609	9	.476	12.1	82	171	255	
221612	12	.565	14.4	109	220	328	
221616	16	.621	15.8	145	271	403	
221618	18	.652	16.6	163	289	431	
221625	25	.741	18.8	227	397	592	
221641	41	.986	25.0	372	625	931	
221650	50	1.048	26.6	454	760	1132	
221661	61	1.085	27.6	553	769	1148	
14 AWG (46/30) 2.50 mm²							
221403	3	.362	9.2	45	87	130	
221404	4	.392	10.0	60	107	159	
221405	5	.427	10.8	75	128	191	
221407	7	.463	11.8	105	169	252	
221409	9	.571	14.5	135	225	335	
221412	12	.636	16.2	179	308	459	
221418	18	.737	18.7	269	439	654	
221425	25	.886	22.5	374	587	874	
12 AWG (56/.0117) 4 mm²							
221203	3	.423	10.7	75	111	165	
221204	4	.460	11.7	100	152	226	
221205	5	.503	12.8	125	187	279	

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/ft	kg/m	Approx. Weight lbs/ft	kg/m
18 AWG (19/30) 1.00 mm²							
2218030	3	.322	8.2	21	80	119	
2218040	4	.346	8.8	35	92	137	
2218050	5	.371	9.4	42	100	149	
2218070	7	.398	10.1	56	130	193	
2218120	12	.508	12.9	96	222	330	
2218180	18	.618	15.7	138	294	438	
2218250	25	.695	17.7	190	386	574	
16 AWG (28/30) 1.5 mm²							
2216030	3	.350	8.9	38	97	144	
2216040	4	.376	9.6	48	116	173	
2216050	5	.406	10.3	59	127	189	
2216070	7	.443	11.3	82	165	246	
2216120	12	.596	15.1	134	286	426	
2216180	18	.683	17.3	196	346	515	
2216250	25	.772	19.6	261	476	708	
14 AWG (46/30) 2.5 mm²							
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.

Technical Data:

Minimum Bending Radius for installation:

< 1 AWG: 5 x cable diameter.

> 1 AWG: 7.5 x cable diameter.

Please note that VNTC® is a trademark for General Cable Technologies Corporation.

-  **Temperature:**
- -40°C to +90°C UL/CSA TC.
 - -40°C to +105°C UL AWM

-  **Rated Voltage:**
- 600V - TC
 - 1000V - AWM
 - 1000V - TC
- Wind Turbine (WTTC)

-  **Color Code:**
- Black with white numbers plus green/yellow ground

Approvals:

- UL:**
- Type TC-ER (Exposed Run) or DR-1
 - UL AWM, Oil Res I, Wet Rating 75°C UL 83
 - UL MTW, NFPA 79 2007 Class 1, Div. 2 per NEC Art. 336, 392, 501
 - Submersible pump (14 AWG & Larger: 2 to 7 conductors)
- CSA:**
- c(UL) Type TC and CIC FT4
 - CSA-AWM I/II A/B FT4
- Additional:**
- MSHA-P-07-KA050016-MSHA (Shielded Only).
 - Torsion tested for wind market (+/- 150°/m)

ÖLFLEX® FORTIS, Flexible & Oil Resistant Tray Cable with UL/CSA and Excellent Cold Temperature Flexibility

LAPP KABEL STUTTGART ÖLFLEX® FORTIS P/N 331404- 14 AWG (2.50MM²/4C (UL)TYPE TC-ER THHN/THWN 90°C DRY 75°C WET 600V, SUN RES, OIL RES I/II E171371 or MTW "FLEXING" or WTTC 1000V 90°C DRY, or c(UL) CONTROL C/C TC PVC/N -40°C OUTDOOR FT4 -- CSA AWM II A/B 90°C 600V FT4 CE ROHS



Construction: Finely stranded bare copper conductors; **Insulation:** Specially blended PVC/nylon;

Jacket: Formulated oil resistant and elastomeric polymer alloy black jacket.

Features:

ÖLFLEX® FORTIS is named after the Latin Word meaning "strength". It offers outstanding mechanical performance, particularly at low temperatures. The specially formulated elastomeric jacket passes UL's -40°C cold impact test. ÖLFLEX® FORTIS also offers outstanding oil resistance (UL OIL RES I & II) and meets all Tray Cable (UL-1277) and Wind Turbine Tray Cable (UL-2277) requirements.

Applications:

Wind energy, Machine tool, Forestry equipment, Oil & petrochem equipment, Cold temperature storage & packaging facilities.



Technical Data:

Minimum Bend Radius for installation: 5 x cable diameter.

Temperature:	Rated Voltage:	Color Code:
- For stationary use: -55°C to +105°C (UL 90°C) - For flexible use: -40°C to +105°C (UL 90°C).	600V - TC 1000V - TC - Wind Turbine (WTTC)	Black with white numbers plus grn/yel ground.

Approvals:
- UL: - Type TC-ER (Exposed Run), UL WTTC - Type MTW or UL AWM, NFPA 79 2007 - Oil Res I/II - Class 1, Div.2 per NEC Art. 336, 392, 501 - CSA: - c(UL) Type TC and C/C FT4 -40°C - CSA-AWM I/II A/B FT4 -40°C.

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 ²							331404	4	.392	10.0	60	107	159
331803	3	.297	7.5	19	57	85	331405	5	.427	10.8	75	128	191
331804	4	.320	8.1	25	66	98	331407	7	.463	11.8	105	169	252
331805	5	.346	8.8	31	77	115	331409	9	.571	14.5	135	225	335
331807	7	.373	9.5	44	100	149	331412	12	.636	16.2	179	308	459
331809	9	.429	10.9	56	112	167	331418	18	.737	18.7	269	439	654
331812	12	.477	12.1	75	171	255	331425	25	.886	22.5	374	587	874
331818	18	.587	14.9	113	245	365	12 AWG (56/.0117) 4 mm ²						
331825	25	.677	17.2	156	322	479	331204	4	.460	11.7	100	152	226
16 AWG (28/30) 1.50 mm ²							331205	5	.503	12.8	125	187	279
331603	3	.325	8.3	27	69	103	331207	7	.581	14.8	176	258	384
331604	4	.351	8.9	36	83	124	10 AWG (82/.0117) 6 mm ²						
331605	5	.381	9.7	45	98	146	331004	4	.578	14.7	147	265	394
331607	7	.412	10.5	64	127	189	331005	5	.631	16.0	184	317	472
331609	9	.476	12.1	82	171	255	331007	7	.686	17.4	257	443	661
331612	12	.565	14.4	109	220	328	8 AWG (74/.0159) 10 mm ²						
331616	16	.621	15.8	145	271	403	330804	4	.703	17.9	245	412	615
331618	18	.652	16.6	163	289	431	330805	5	.772	19.6	306	518	771
331625	25	.741	18.8	227	397	592	6 AWG (119/.0159) 16 mm ²						
14 AWG (46/30) 2.50 mm ²							330604	4	.899	22.8	393	580	864
331403	3	.362	9.2	45	87	130	330605	5	.982	24.9	491	725	1080

ÖLFLEX® CONTROL TM/TM CY, Flexible & Oil Resistant Tray and Machine Cable with UL/CSA MTW + UL TC-ER/CSA CIC/TC Approval

ÖLFLEX® CONTROL TM-(UL)TYPE TC-ER or MTW 90°C 600V—CSA AWM FT4 RoHS



Construction: Finely stranded bare copper conductors;

Insulation: Specially blended PVC/nylon insulation; **Jacket:** Specially formulated PVC jacket.

ÖLFLEX® CONTROL TM CY-(UL) TYPE TC-ER or MTW 90°C 600V—CSA AWM FT4 RoHS



Construction: Finely stranded bare copper conductors;

Insulation: Specially blended PVC/nylon insulation, overall foil and tinned copper braid (85% coverage);

Jacket: Specially formulated PVC jacket.

Features:

ÖLFLEX® CONTROL TM is a multi-conductor cable designed for use on machine tool equipment and other industrial machinery conforming to NFPA 79 2007 wiring norms. ÖLFLEX® CONTROL TM is also UL TC-ER + CSA CIC/TC approved so it can be routed in tray as well.

Applications:

Machine tool machinery, Food & beverage, Processing equipment, Machine wiring for conformance to NFPA 79 2007.



Technical Data:

Minimum bend radius for installation: 6 x cable diameter.



Temperature:

- <-40°C to +90°C



Color Code:

- Conductors are black printed with white numbers plus green/yellow ground.



Approvals:

- UL:
- UL Type TC-ER (Exposed Run)
 - AWM, UL Wet Approval 75°C
 - Type MTW, NFPA 79 2007
 - Class 1, Div.2 per NEC Art. 336, 392, 501
 - UL Bus Drop-14 AWG & Larger 3c & 4c only**
- CSA:
- C(UL) CIC/TC FT4
 - AWM I/II A/B FT4
- Additional: • Torsion tested for wind market (+/- 150°/m)



ÖLFLEX® CONTROL TM: Flexible and Oil Resistant Tray & Machine 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 mm²							14 AWG (46/30) 2.50 mm²						
281803	3	.291	7.4	19	55	82	281403**	3	.356	8.9	45	84	125
281804	4	.315	8.0	25	64	95	281404**	4	.386	9.8	60	104	155
281805	5	.340	8.6	31	75	112	281405	5	.421	10.7	75	124	185
281807	7	.367	9.3	44	97	144	281407	7	.457	11.6	105	164	244
281809	9	.423	10.7	56	109	162	281409	9	.563	14.3	135	218	324
281812	12	.471	12.0	75	166	247	281412	12	.628	16.0	179	298	443
281818	18	.579	14.7	113	245	365	281419	19	.729	18.5	284	450	670
281819	19	.579	14.7	119	263	391	281425	25	.872	22.1	374	569	847
281825	25	.656	16.7	156	312	464							
16 AWG (28/30) 1.50 mm²							12 AWG (56/.0117) 4 mm²						
281603	3	.319	8.1	27	67	100	281203**	3	.417	10.6	75	111	165
281604	4	.345	8.8	36	80	119	281204**	4	.454	11.5	100	148	220
281605	5	.375	9.5	45	95	141	281205	5	.497	12.6	125	181	269
281607	7	.406	10.3	64	123	183	281207	7	.573	14.6	176	324	482
281609	9	.470	11.9	82	166	247							
281612	12	.551	14.1	109	213	317	10 AWG (82/.0117) 6 mm²						
281618	18	.644	16.4	174	289	431	281003**	3	.492	11.0	110	193	287
281619	19	.644	16.4	172	286	426	281004**	4	.570	14.5	147	257	382
281625	25	.733	18.6	227	312	464	281005	5	.623	15.8	184	307	457

** Meets UL Bus Drop Approval

ÖLFLEX® CONTROL TM CY: Shielded Flexible and Oil Resistant Tray & Machine 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 mm²							14 AWG (46/30) 2.50 mm²						
281803CY	3	.316	8.0	34	80	119	281403CY**	3	.381	9.7	69	121	180
281804CY	4	.339	8.6	46	92	137	281404CY**	4	.411	10.4	86	150	223
281805CY	5	.365	9.3	54	100	149	281405CY	5	.452	11.5	106	180	268
281807CY	7	.392	10.0	68	130	193	281407CY	7	.488	12.4	136	220	327
281812CY	12	.502	12.8	107	222	330	281412CY	12	.659	16.7	226	400	595
281819CY	19	.610	15.5	174	294	438	281419CY	19	.760	19.3	359	527	784
281825CY	25	.687	17.5	213	386	574	281425CY	25	.903	22.9	474	704	1048
16 AWG (28/30) 1.50 mm²							12 AWG (56/.0117) 4 mm²						
281603CY	3	.344	8.7	48	97	144	281203CY**	3	.448	11.4	115	160	238
281604CY	4	.370	9.4	61	116	173	281204CY**	4	.485	12.3	146	212	315
281605CY	5	.400	10.2	70	127	189	281205CY	5	.560	14.2	172	261	388
281607CY	7	.437	11.1	91	165	246	10 AWG (82/.0117) 6 mm²						
281612CY	12	.588	14.9	156	286	426	281003CY**	3	.555	14.1	155	270	402
281619CY	19	.675	17.1	230	340	506	281004CY**	4	.601	15.3	196	371	552
281625CY	25	.764	19.4	292	476	708	281005CY	5	.654	16.6	238	412	613

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Single Pair or Triad, Non-Shielded

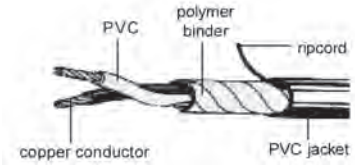
Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

Applications:

For use in instrumentation and process control applications where protection from electrostatic interference is not required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white for pairs.
- ICEA Method 1: black, white and red for triads.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Catalog No.	Size AWG	Pair of Triad	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-18/1P-7N	18	1 Pair	15	35	.25	33
PLTC300-16/1P-7N	16	1 Pair	15	35	.27	42
PLTC300-18/1T-7N	18	1 Triad	15	35	.26	41
PLTC300-16/1T-7N	16	1 Triad	15	35	.29	54

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Single Pair or Triad, Shielded

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

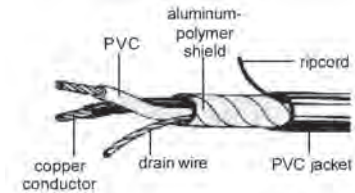
Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

Features:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white for pairs.
- ICEA Method 1: black, white and red for triads.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Catalog No.	Size AWG	Pair of Triad	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-20/1P-7S	20	1 Pair	15	35	.24	30
PLTC300-18/1P-7S	18	1 Pair	15	35	.26	37
PLTC300-16/1P-7S	16	1 Pair	15	35	.28	46
PLTC300-20/1T-7S	20	1 Triad	15	35	.25	36
PLTC300-18/1T-7S	18	1 Triad	15	35	.28	46
PLTC300-16/1T-7S	16	1 Triad	15	35	.30	62

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Please contact us at sales@lapptannehill.com,
or visit our website at: www.lapptannehill.com

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Multiple Pairs, Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

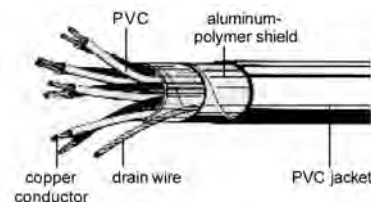
Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

Features:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 2, Division 2 hazardous locations.



Catalog No.	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-20/2P-7S	20	2	15	40	.34	52
PLTC300-20/4P-7S	20	4	15	40	.40	78
PLTC300-20/8P-7S	20	8	15	50	.52	143
PLTC300-20/12P-7S	20	12	15	50	.61	195
PLTC300-20/16P-7S	20	16	15	60	.74	261
PLTC300-20/24P-7S	20	24	15	60	.82	356
PLTC300-20/36-7S	20	36	15	70	.95	513
PLTC300-20/50P-7S	20	50	15	70	1.17	692
PLTC300-18/2P-7S	18	2	15	40	.37	64
PLTC300-18/4P-7S	18	4	15	50	.47	113
PLTC300-18/8P-7S	18	8	15	50	.58	187
PLTC300-18/12P-7S	18	12	15	60	.69	271
PLTC300-18/16P-7S	18	16	15	60	.81	341
PLTC300-18/24P-7S	18	24	15	60	.90	479
PLTC300-18/36P-7S	18	36	15	70	1.06	695
PLTC300-18/50P-7S	18	50	15	70	1.29	930
PLTC300-16/2P-7S	16	2	15	50	.44	94
PLTC300-16/4-7S	16	4	15	50	.52	148
PLTC300-16/8P-7S	16	8	15	60	.66	264
PLTC300-16/12P-7S	16	12	15	60	.77	367
PLTC300-16/16-7S	16	16	15	70	1.01	503
PLTC300-16/24P-7S	16	24	15	70	1.04	683
PLTC300-16/36P-7S	16	36	15	70	1.19	970
PLTC300-16/50P-7S	16	50	15	80	1.60	1378

Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Multiple Pairs, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

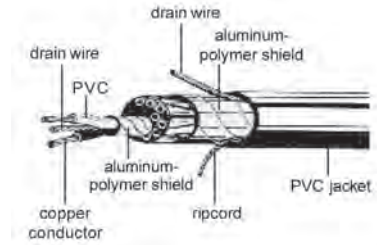
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Catalog No.	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-20/2P-7SPOS	20	2	15	40	.36	61
PLTC300-20/4P-7SPOS	20	4	15	50	.46	110
PLTC300-20/8P-7SPOS	20	8	15	50	.58	182
PLTC300-20/12P-7SPOS	20	12	15	60	.71	267
PLTC300-20/16P-7SPOS	20	16	15	60	.81	315
PLTC300-20/24P-7SPOS	20	24	15	70	.97	492
PLTC300-20/36P-7SPOS	20	36	15	70	1.11	685
PLTC300-20/50P-7SPOS	20	50	15	70	1.33	768
PLTC300-18/2P-7SPOS	18	2	15	40	.40	76
PLTC300-18/4P-7SPOS	18	4	15	50	.50	134
PLTC300-18/8P-7SPOS	18	8	15	50	.63	226
PLTC300-18/12P-7SPOS	18	12	15	60	.78	332
PLTC300-18/16P-7SPOS	18	16	15	60	.89	374
PLTC300-18/24P-7SPOS	18	24	15	70	1.08	619
PLTC300-18/36P-7SPOS	18	36	15	70	1.23	869
PLTC300-18/50P-7SPOS	18	50	15	80	1.49	1047

Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Check out our complete inventory of products at www.lapptannehill.com

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Multiple Pairs, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

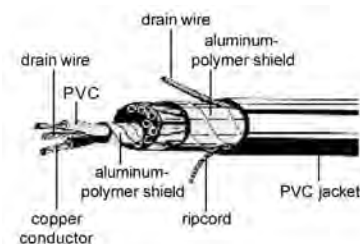
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Catalog No.	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-16/2P-7SPOS	16	2	15	50	.47	107
PLTC300-16/4P-7SPOS	16	4	15	50	.55	178
PLTC300-16/8P-7SPOS	16	8	15	60	.73	323
PLTC300-16/12P-7SPOS	16	12	15	60	.87	456
PLTC300-16/16P-7SPOS	16	16	15	70	1.02	529
PLTC300-16/24P-7SPOS	16	24	15	70	1.21	860
PLTC300-16/36P-7SPOS	16	36	15	80	1.40	1250
PLTC300-16/50P-7SPOS	16	50	15	80	1.68	1453

Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Tray Cables

Instrumentation Cable, 300 Volt UL Type PLTC & ITC, 105°C Multiple Triads, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC;

Jacket: Sunlight-resistant PVC. A ripcord is applied longitudinally under the jacket to facilitate stripping.

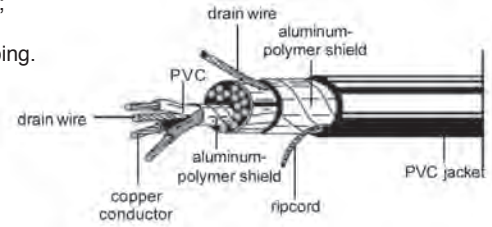
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 70 strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Catalog No.	Size AWG	Number of Triads	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
PLTC300-20/4T-7STOS	20	4	15	50	.50	136
PLTC300-20/8T-7STOS	20	8	15	50	.65	214
PLTC300-20/12T-7STOS	20	12	15	60	.78	338
PLTC300-20/16T-7STOS	20	16	15	60	.86	428
PLTC300-20/24T-7STOS	20	24	15	70	1.10	591
PLTC300-20/36T-7STOS	20	36	15	70	1.22	887
PLTC300-18/4T-7STOS	18	4	15	50	.54	134
PLTC300-18/8T-7STOS	18	8	15	60	.74	293
PLTC300-18/12T-7STOS	18	12	15	60	.86	332
PLTC300-18/16T-7STOS	18	16	15	70	.97	420
PLTC300-18/24T-7STOS	18	24	15	70	1.21	768
PLTC300-16/4T-7STOS	16	4	15	50	.61	229
PLTC300-16/8T-7STOS	16	8	15	60	.82	395
PLTC300-16/12T-7STOS	16	12	15	70	.98	621
PLTC300-16/16T-7STOS	16	16	15	70	1.09	794
PLTC300-16/24T-7STOS	16	24	15	80	1.39	1085

Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.
- CSA FT4 rated.



Temperature:

- 105°C



Rated Voltage:

- 300V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- UL Standard 13
- UL Standard 2250
- NEC Type ITC per Articles 501, 502, 503, and 504
- Approved for Class 2 and Class 3 circuits per Article 725 of the NEC

Not finding what you are looking for?

Please contact us at sales@lapptannehill.com, or visit our website at: www.lapptannehill.com



Instrumentation Cable, 600 Volt UL Type TC-ER, 90°C Multiple Pairs, Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 62 for Type TFN wire. Insulation Jacket: Clear nylon per UL Standard 62 for Type TFN wire;

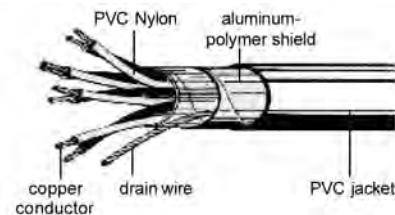
Jacket: Sunlight-resistant PVC per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping. Clear nylon per UL Standard 62 for Type TFN wire.

Features:

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type PLTC and ITC and approved for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. May be used in NEC Class 1, Division 2 hazardous locations.



Catalog No.	Size AWG	Number of Pairs	PVC Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-18/2P-7S	18	2	15	4	45	.41	70
TRAY600-18/4P-7S	18	4	15	4	45	.49	118
TRAY600-18/8P-7S	18	8	15	4	60	.65	212
TRAY600-18/12P-7S	18	12	15	4	60	.76	302
TRAY600-18/16P-7S	18	16	15	4	80	.89	374
TRAY600-18/24P-7S	18	24	15	4	80	1.03	572
TRAY600-18/36P-7S	18	36	15	4	80	1.18	796
TRAY600-18/50P-7S	18	50	15	4	80	1.44	1046
TRAY600-16/2P-7S	16	2	15	4	45	.45	89
TRAY600-16/3P-7S	16	3	15	4	45	.52	121
TRAY600-16/4P-7S	16	4	15	4	45	.57	150
TRAY600-16/8P-7S	16	8	15	4	60	.75	283
TRAY600-16/12P-7S	16	12	15	4	60	.88	389
TRAY600-16/16P-7S	16	16	15	4	80	1.03	540
TRAY600-16/24P-7S	16	24	15	4	80	1.21	742
TRAY600-16/36P-7S	16	36	15	4	80	1.40	1038
TRAY600-16/50P-7S	16	50	15	4	80	1.61	1436

Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- NEC Type TC for Class I Division 2 areas per Articles 336, 392, and 501, and for Class 1 circuits per NEC Article 725
- NEC Type NPFL for Non Power Limited Fire

Please contact your sales representative for detailed information at sales@lapptannehill.com

Instrumentation Cable, 600 Volt UL Type TC-ER, 90°C Multiple Pairs, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 62 for Type TFN wire. Clear nylon per UL Standard 62 for Type TFN wire;

Jacket: Sunlight-resistant PVC per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping.

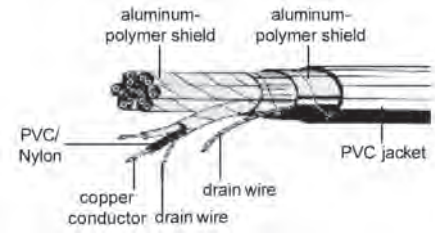
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type TC and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. Maybe used in NEC Class1, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.

Temperature:
• 90°C

Rated Voltage:
• 600V

Color Code:
• ICEA Method 9: black and white pairs with printed number.

Approvals:
• NEC Type TC for Class I NEC Type TC for Class I Division 2 areas per Articles 336, 392 and 501, and for Class 1 circuits per NEC Article 725
• NEC Type NPFL for Non Power Limited Fire Protective Signaling circuits per NEC Article 760

Catalog No.	Size AWG	Number of Pairs	PVC Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-18/2P-7SPOS	18	2	15	4	45	.44	82
TRAY600-18/4P-7SPOS	18	4	15	4	45	.52	146
TRAY600-18/8P-7SPOS	18	8	15	4	60	.71	279
TRAY600-18/12P-7SPOS	18	12	15	4	60	.85	391
TRAY600-18/16P-7SPOS	18	16	15	4	80	1.05	494
TRAY600-18/24P-7SPOS	18	24	15	4	80	1.20	752
TRAY600-18/36P-7SPOS	18	36	15	4	80	1.37	1053
TRAY600-18/50P-7SPOS	18	50	15	4	80	1.71	1300
TRAY600-16/2P-7SPOS	16	2	15	4	45	.48	105
TRAY600-16/3P-7SPOS	16	3	15	4	45	.56	136
TRAY600-16/4P-7SPOS	16	4	15	4	60	.63	207
TRAY600-16/6P-7SPOS	16	6	15	4	60	.77	257
TRAY600-16/8P-7SPOS	16	8	15	4	60	.81	349
TRAY600-16/12P-7SPOS	16	12	15	4	80	1.11	528
TRAY600-16/16P-7SPOS	16	16	15	4	80	1.56	623
TRAY600-16/24P-7SPOS	16	24	15	4	80	1.39	944
TRAY600-16/36P-7SPOS	16	36	15	4	80	1.59	1331
TRAY600-16/50P-7SPOS	16	50	15	4	110	1.96	1731

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Please contact us at sales@lapptannehill.com, or visit our website at: www.lapptannehill.com

Instrumentation Cable, 600 Volt UL Type TC-ER, 90°C Multiple Pairs, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 83 for Type THHN or THWN-2 wire. Insulation jacket: Clear nylon per UL Standard 83 for Type THHN or THWN-2 wire;

Jacket: Sunlight-resistant PVC per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping.

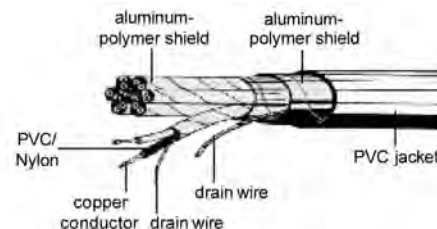
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type TC and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. May be used in NEC Class 1, Division 2 hazardous locations. UL approved for NEC continuous operation at 75°C in wet locations, 90°C in dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 9: black and white pairs with printed number.



Approvals:

- NEC Type TC for Class I Division 2 areas per Articles 336, 392 and 501, and for Class 1 circuits per NEC Article 725
- NEC Type NPFL for Non Power Limited Fire Protective Signaling circuits per NEC Article 760.0

Catalog No.	Size AWG	Number of Pairs	PVC Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-14/2P-7SPOS	14	2	15	4	45	.57	156
TRAY600-14/4P-7SPOS	14	4	15	4	60	.73	285
TRAY600-14/8P-7SPOS	14	8	15	4	60	.93	520
TRAY600-14/12P-7SPOS	14	12	15	4	80	1.16	788
TRAY600-14/24P-7SPOS	14	24	15	4	80	1.58	1445

Check out our complete inventory of products at www.lapptannehill.com

Instrumentation Cable, 600 Volt UL Type TC-ER, 90°C Multiple Triads, Individual and Overall Shield

Construction: 7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 62 for Type TFN wire. Insulation jacket: Clear nylon per UL Standard 62 for Type TFN wire;

Jacket: Sunlight-resistant PVC per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping.

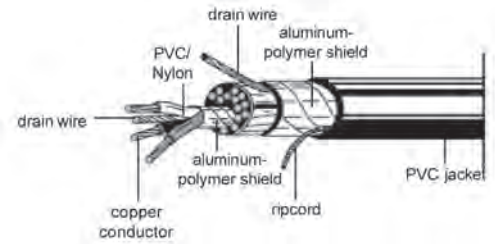
Features:

Individual Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type TC and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. May be used in NEC Class 1, Division 2 hazardous locations. UL approved for NEC continuous operations at 75°C in wet locations, 90°C in dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



Technical Data:

Flame Tests:

- UL 1581 70,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 1: black, white and red triads with printed number.



Approvals:

- NEC Type TC for Class 1 Division 2 areas per Articles 336, 392 and 501, and for Class 1 circuits per NEC Article 725
- NEC Type NPFL for Non Power Limited Fire Protective Signaling circuits per NEC Article 760

Catalog No.	Size AWG	Number of Triads	PVC Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-18/4T-7STOS	18	4	15	4	60	.61	207
TRAY600-18/8T-7STOS	18	8	15	4	60	.78	355
TRAY600-18/12T-7STOS	18	12	15	4	80	.98	538
TRAY600-18/24T-7STOS	18	24	15	4	80	1.33	971
TRAY600-16/4T-7STOS	16	4	15	4	60	.67	233
TRAY600-16/8T-7STOS	16	8	15	4	60	.90	401
TRAY600-16/12T-7STOS	16	12	15	4	80	1.08	607
TRAY600-16/16T-7STOS	16	16	15	4	80	1.27	838
TRAY600-16/24T-7STOS	16	24	15	4	80	1.48	1100

Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Tray Cable-Control Cable, 600 Volt UL Type TC-ER, TFN Insulation PVC Jacket, Copper Conductors

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 62 for Type TFN wire. Insulation jacket: clear nylon per UL Standard 62 for Type TFN wire;

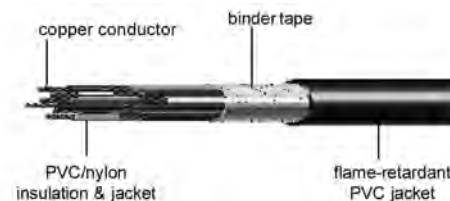
Jacket: Sunlight-resistant PVC per UL Standard 1277.

Features:

600 Volt UL Type TC, TFN Insulation, PVC Jacket, Copper Conductors

Applications:

General purpose cable for use in power, control and lighting circuits in a broad range of commercial and industrial applications. Approved for continuous operation at 90°C in dry locations, installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- IEEE 383 70,000 BTU/hr flame test.
- ICEA 210,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 1, Table K-2



Approvals:

- UL Type TC per Article 336 of the NEC
- Approved for Class 1 remote-control and signaling circuits per Article 725 of the NEC

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-18/2-7N*	18	2	7	15	4	45	.19 x .28	33
TRAY600-18/3-7N	18	3	7	15	4	45	.28	43
TRAY600-18/4-7N	18	4	7	15	4	45	.31	52
TRAY600-18/5-7N	18	5	7	15	4	45	.33	62
TRAY600-18/6-7N	18	6	7	15	4	45	.36	72
TRAY600-18/7-7N	18	7	7	15	4	45	.37	79
TRAY600-18/8-7N	18	8	7	15	4	45	.38	89
TRAY600-18/9-7N	18	9	7	15	4	45	.41	104
TRAY600-18/10-7N	18	10	7	15	4	45	.45	111
TRAY600-18/12-7N	18	12	7	15	4	45	.46	127
TRAY600-18/15-7N	18	15	7	15	4	45	.51	157
TRAY600-18/19-7N	18	19	7	15	4	60	.57	202
TRAY600-18/25-7N	18	25	7	15	4	60	.65	258
TRAY600-18/30-7N	18	30	7	15	4	60	.69	300
TRAY600-18/37-7N	18	37	7	15	4	60	.74	360

*Flat construction

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-16/2-7N*	16	2	7	15	4	45	.20 x .30	42
TRAY600-16/3-7N	16	3	7	15	4	45	.31	55
TRAY600-16/4-7N	16	4	7	15	4	45	.34	69
TRAY600-16/5-7N	16	5	7	15	4	45	.36	83
TRAY600-16/6-7N	16	6	7	15	4	45	.39	96
TRAY600-16/7-7N	16	7	7	15	4	45	.39	106
TRAY600-16/8-7N	16	8	7	15	4	45	.39	122
TRAY600-16/9-7N	16	9	7	15	4	45	.43	138
TRAY600-16/10-7N	16	10	7	15	4	45	.46	149
TRAY600-16/12-7N	16	12	7	15	4	45	.51	174
TRAY600-16/15-7N	16	15	7	15	4	60	.60	229
TRAY600-16/16-7N	16	16	7	15	4	60	.60	241
TRAY600-16/19-7N	16	19	7	15	4	60	.63	275
TRAY600-16/20-7N	16	20	7	15	4	60	.66	291
TRAY600-16/25-7N	16	25	7	15	4	60	.72	355
TRAY600-16/37-7N	16	37	7	15	4	80	.82	498
TRAY600-16/50-7N	16	50	7	15	4	80	1.01	703

*Flat construction

Tray Cables

Tray Cable-Control Cable, 600 Volt UL Type TC-ER, THHN or THWN Insulation PVC Jacket

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 83 for Type THHN or THWN wire. Insulation jacket: clear nylon per UL Standard 83 for Type THHN or THWN wire;

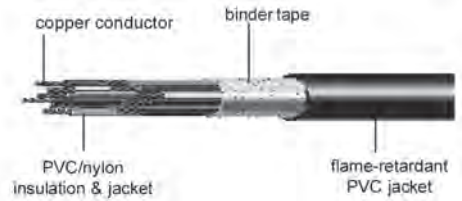
Jacket: Sunlight-resistant PVC per UL Standard 1277.

Features:

600 Volt UL Type TC, THHN or THWN Insulation, PVC Jacket, Copper Conductors

Applications:

General purpose cable for use in power, control and lighting circuits in a broad range of commercial and industrial applications. Approved for continuous operation at 90°C in dry locations, installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations.



Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-14/2-7N*	14	2	7	15	4	45	.22 x .33	62
TRAY600-14/3-7N	14	3	7	15	4	45	.35	80
TRAY600-14/4-7N	14	4	7	15	4	45	.38	99
TRAY600-14/5-7N	14	5	7	15	4	45	.41	118
TRAY600-14/6-7N	14	6	7	15	4	45	.45	140
TRAY600-14/7-7N	14	7	7	15	4	45	.45	153
TRAY600-14/9-7N	14	9	7	15	4	45	.52	196
TRAY600-14/10-7N	14	10	7	15	4	60	.60	230
TRAY600-14/12-7N	14	12	7	15	4	60	.61	267
TRAY600-14/16-7N	14	16	7	15	4	60	.68	343
TRAY600-14/19-7N	14	19	7	15	4	60	.71	396
TRAY600-14/20-7N	14	20	7	15	4	60	.75	423
TRAY600-14/25-7N	14	25	7	15	4	80	.83	511
TRAY600-14/30-7N	14	30	7	15	4	80	.93	636
TRAY600-14/37-7N	14	37	7	15	4	80	.98	766
TRAY600-14/40-7N	14	40	7	15	4	80	1.01	840
TRAY600-14/50-7N	14	50	7	15	4	80	1.17	1043
TRAY600-14/60-7N	14	60	7	15	4	80	1.21	1200

*Flat construction

Technical Data:

Flame Tests:

- IEEE 383 70,000 BTU/hr flame test.
- ICEA 210,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 1, Table K-2.



Approvals:

- UL Type TC per Article 336 of the NEC
- Approved for Class 1 remote-control and signaling circuits per Article 725 of the NEC.

Please contact your sales representative for detailed information at sales@lapptannehill.com



Tray Cable-Control Cable, 600 Volt UL Type TC-ER, THHN or THWN Insulation PVC Jacket

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

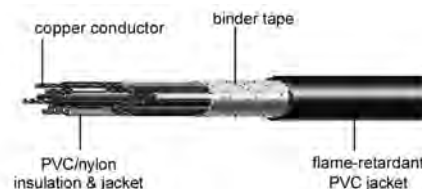
Insulation: Flame-retardant PVC per UL Standard 83 for Type THHN or THWN wire. Insulation jacket: Clear nylon per UL Standard 83 for Type THHN or THWN wire;

Jacket: Sunlight-resistant PVC per UL Standard 1277.

Features: 600 Volt UL Type TC, TFN Insulation, PVC Jacket, Copper Conductors

Applications:

General purpose cable for use in power, control and lighting circuits in a broad range of commercial and industrial applications. Approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations. UL approved for use in continuous operation at 75°C in wet locations, 90°C in dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



Technical Data:

Flame Tests:

- IEEE 383 70,000 BTU/hr flame test.
- ICEA 210,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 1, Table K-2



Approvals:

- UL Type TC per Article 336 of the NEC
- Approved for Class 1 remote-control and signaling circuits per Article 725 of the NEC

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-12/2-7N*	12	2	7	15	4	45	.24 x .37	77
TRAY600-12/3-7N	12	3	7	15	4	45	.39	110
TRAY600-12/4-7N	12	4	7	15	4	45	.42	138
TRAY600-12/5-7N	12	5	7	15	4	45	.46	165
TRAY600-12/7-7N	12	7	7	15	4	45	.50	216
TRAY600-12/9-7N	12	9	7	15	4	60	.62	297
TRAY600-12/10-7N	12	10	7	15	4	60	.67	324
TRAY600-12/12-7N	12	12	7	15	4	60	.69	378
TRAY600-12/15-7N	12	15	7	15	4	60	.76	468
TRAY600-12/16-7N	12	16	7	15	4	60	.76	488
TRAY600-12/19-7N	12	19	7	15	4	60	.80	568
TRAY600-12/20-7N	12	20	7	15	4	80	.89	642
TRAY600-12/25-7N	12	25	7	15	4	80	.99	775
TRAY600-12/30-7N	12	30	7	15	4	80	1.03	910
TRAY600-12/37-7N	12	37	7	15	4	80	1.14	1105

*Flat construction

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-10/2-7N*	10	2	7	20	4	45	.27 x .44	131
TRAY600-10/3-7N	10	3	7	20	4	45	.45	169
TRAY600-10/4-7N	10	4	7	20	4	60	.50	231
TRAY600-10/5-7N	10	5	7	20	4	60	.58	276
TRAY600-10/6-7N	10	6	7	20	4	60	.63	329
TRAY600-10/7-7N	10	7	7	20	4	60	.63	361
TRAY600-10/9-7N	10	9	7	20	4	60	.73	465
TRAY600-10/12-7N	10	12	7	20	4	80	.86	647
TRAY600-10/16-7N	10	16	7	20	4	80	.97	817
TRAY600-10/19-7N	10	19	7	20	4	80	1.02	920

*Flat construction

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Tray Cables

Tray Cable-Control Cable, 600 Volt UL Type TC-ER, THHN or THWN Insulation PVC Jacket

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 83 for Type THHN or THWN wire.

Jacket: Sunlight-resistant PVC per UL Standard 1277.

Features:

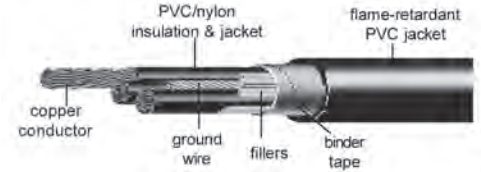
Insulation jacket: clear nylon per UL Standard 83 for Type THHN or THWN wire

Grounding Conductor: soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1277.

600 Volt, UL Type TC, THHN or THWN Insulation, PVC Jacket, Copper Conductors.

Applications:

General purpose cable for use in primary power and feeder circuits in a broad range of commercial and industrial applications. Approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations. UL approved for use in continuous operation at 75°C in wet locations, 90°C in dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



Technical Data:

Flame tests:

- IEEE 383 70,000 BTU/hr flame test.
- ICEA 210,000 BRU/hr flame test.

Temperature:
• 90°C

Rated Voltage:
• 600V

Color Code:
• ICEA Method 4

Approvals:
• UL Type TC per Article 336 of the NEC

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-8/3-7N	8	3	7	30	5	60	.58	220
TRAY600-8/4-7N	8	4	7	30	5	60	.61	286
TRAY600-6/3-7N	6	3	7	30	5	60	.69	386
TRAY600-6/4-7N	6	4	7	30	5	60	.76	505
TRAY600-4/3-7N	4	3	7	40	6	60	.89	630
TRAY600-4/4-7N	4	4	7	40	6	80	.97	828
TRAY600-2/3-7N	2	3	7	40	6	80	1.03	930
TRAY600-2/4-7N	2	4	7	40	6	80	1.13	1213
TRAY600-1/3-19N	1	3	19	50	7	80	1.15	1252

Catalog No.	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Ground Wire Size AWG	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-1/0-3-19N	1/0	3	19	50	7	6	80	1.22	1423
TRAY600-1/0-4-19N	1/0	4	19	50	7	6	80	1.34	1832
TRAY600-2/0-3-19N	2/0	3	19	50	7	6	80	1.32	1718
TRAY600-2/0-4-19N	2/0	4	19	50	7	6	80	1.45	2223
TRAY600-3/0-3-19N	3/0	3	19	50	7	4	80	1.42	2131
TRAY600-3/0-4-19N	3/0	4	19	50	7	4	80	1.58	2756
TRAY600-4/0-3-19N	4/0	3	19	50	7	4	80	1.54	2592
TRAY600-4/0-4-19N	4/0	4	19	50	7	4	80	1.77	3457
TRAY600-250/3-37N	250	3	37	60	8	3	110	1.75	3123
TRAY600-250/4-37N	250	4	37	60	8	3	110	1.94	4046
TRAY600-350/3-37N	350	3	37	60	8	3	110	1.97	4204
TRAY600-350/4-37N	350	4	37	60	8	3	110	2.18	5469
TRAY600-500/3-37N	500	3	37	60	8	2	110	2.26	5792
TRAY600-500/4-37N	500	4	37	60	8	1	110	2.49	7556
TRAY600-750/3-37N	750	3	37	60	9	1	110	2.82	9060



Tray Cable-Shielded Control Cable, 600 Volt UL Type TC-ER, TFN Insulation PVC Jacket

Construction: Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8;

Insulation: Flame-retardant PVC per UL Standard 62 for Type TFN wire;

Jacket: Sunlight-resistant PVC per UL Standard 1277.

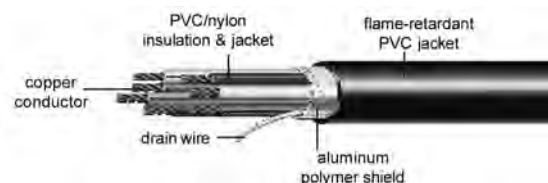
Features:

Insulation jacket: clear nylon per UL Standard 62 for Type TFN wire.

Overall Shield: Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire.

Applications:

General purpose cable for use where shielding from electrostatic interference is required in power, control and lighting circuits in a broad range of commercial and industrial applications. Approved for continuous operation at 90°C in dry locations, installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations.



Technical Data:

Flame Tests:

- IEEE 383 70,000 BTU/hr flame test.
- ICEA 210,000 BTU/hr flame test.



Temperature:

- 90°C



Rated Voltage:

- 600V



Color Code:

- ICEA Method 1, Table K-2



Approvals:

- UL Type TC per Article 336 of the NEC
- Approved for Class 1 remote-control and signaling circuits per Article 725 of the NEC

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-18/2-7S	18	2	7	15	4	45	.27	34
TRAY600-18/3-7S	18	3	7	15	4	45	.28	43
TRAY600-18/4-7S	18	4	7	15	4	45	.31	52
TRAY600-18/5-7S	18	5	7	15	4	45	.33	62
TRAY600-18/6-7S	18	6	7	15	4	45	.36	72
TRAY600-18/7-7S	18	7	7	15	4	45	.36	79
TRAY600-18/8-7S	18	8	7	15	4	45	.38	89
TRAY600-18/12-7S	18	12	7	15	4	45	.46	127
TRAY600-18/19-7S	18	19	7	15	4	60	.57	202
TRAY600-18/37-7S	18	37	7	15	4	60	.74	360

Catalog No.	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Nylon Jacket Thickness Mils	Overall Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft
TRAY600-16/2-7S	16	2	7	15	4	45	.29	43
TRAY600-16/3-7S	16	3	7	15	4	45	.31	55
TRAY600-16/4-7S	16	4	7	15	4	45	.34	69
TRAY600-16/5-7S	16	5	7	15	4	45	.36	83
TRAY600-16/6-7S	16	6	7	15	4	45	.39	96
TRAY600-16/7-7S	16	7	7	15	4	45	.39	106
TRAY600-16/8-7S	16	8	7	15	4	45	.43	122
TRAY600-16/9-7S	16	9	7	15	4	45	.46	138
TRAY600-16/10-7S	16	10	7	15	4	45	.49	149
TRAY600-16/12-7S	16	12	7	15	4	45	.51	174
TRAY600-16/19-7S	16	19	7	15	4	60	.63	275
TRAY600-16/25-7S	16	25	7	15	4	60	.72	355
TRAY600-16/37-7S	16	37	7	15	4	80	.82	498

Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Tray Cables

Color Code Charts

ICEA/NEMA Method 1 - Colored insulation with contrasting ink tracers as required. Six different insulation colors and four different colored ink tracers are used to provide positive identification through 21 conductors. The same identification sequence may be repeated for cables containing more than 21 conductors.

ICEA/NEMA Method 4 - A neutral- or single-colored insulation compound is surface ink printed with conductor number to provide positive conductor identification through 21 conductors. The identification sequence is repeated for cables containing more than 21 conductors.

Color Code Charts

ICEA METHOD 1, Table K-2

Conductor No.	Base Color	Spiral Stripe	Conductor No.	Base Color	Spiral Stripe
1	Black	---	19	Orange	Blue
2	Red	---	20	Yellow	Blue
3	Blue	---	21	Brown	Blue
4	Orange	---	22	Black	Orange
5	Yellow	---	23	Red	Orange
6	Brown	---	24	Blue	Orange
7	Red	Black	25	Yellow	Orange
8	Blue	Black	26	Brown	Orange
9	Orange	Black	27	Black	Yellow
10	Yellow	Black	28	Red	Yellow
11	Brown	Black	29	Blue	Yellow
12	Black	Red	30	Orange	Yellow
13	Blue	Red	31	Brown	Yellow
14	Orange	Red	32	Black	Brown
15	Yellow	Red	33	Red	Brown
16	Brown	Red	34	Blue	Brown
17	Black	Blue	35	Orange	Brown
18	Red	Blue	36	Yellow	Brown

NOTE: Color code repeats after 36 conductors. No green or white conductors/stripes.

For different colors, please call 800.633.6339 for information.



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