

LiYY-TP-UL UL/CSA/CE



LiYY-TP-UL is a UL/CSA/CE approved, flexible PVC multi-pair European data transmission cable. For use in flexible or stationary applications under low mechanical stress with free movement without any tensile stress, loads or forced movements in dry, moist and wet conditions. Commonly used as control and signal cables in the electronics of computers systems, electronic control equipment, office machines and measurement devices in tool making, machine manufacturing, conveyor systems and production lines. The twisted pair configuration reduces any internal interference (crosstalk) within the cable. Not permitted for outdoor use.



Construction:

- Fine tinned copper strands
- Strands to ASTM-B 174-95, class J-M
- Special PVC core insulation, class 43
- Semi-rigid to UL1581 table 50.182 & 50.183
- DIN47100 color code - with repetition
- Cores twisted into pairs
- Plastic foil separator
- Special PVC outer jacket - gray/dark gray
- Outer jacket to UL1581 table 50.182
- **Semi oil & chemical resistant**

Technical:

- Working voltage: 300 volts
- Test voltage: 1500 volts
- Flexing bending radius: 15.0 x Ø
- Static bending radius: 6.0 x Ø
- Flexing temp: -10° C to +80° C
- Static temp: -20° C to +80° C
- Flame retardant: IEC 60332.1, VW-1, FT1
- Insulation resistance: 100 MΩ x km

Approvals:

- UL Style 2464, UL VW-1
- Pairs to UL1061/1729
- CSA AWM I/II A/B, FT1
- CE low voltage directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (7/34) 0,14mm2				
5532601	1	0.142" / 3.6mm	2	13
5532602	2	0.201" / 5.1mm	3	16
5532603	3	0.209" / 5.3mm	5	20
5532604	4	0.228" / 5.8mm	7	25
5532605	5	0.244" / 6.2mm	9	30
5532606	6	0.268" / 6.8mm	11	34
5532607	7	0.272" / 6.9mm	13	38
5532608	8	0.287" / 7.3mm	14	43
5532610	10	0.291" / 7.4mm	17	51
5532612	12	0.358" / 9.1mm	21	62
5532615	15	0.417" / 10.6mm	27	73
5532616	16	0.425" / 10.8mm	29	75
5532618	18	0.437" / 11.1mm	32	80
5532620	20	0.469" / 11.9mm	36	87
5532622	22	0.488" / 12.4mm	40	101
5532624	24	0.507" / 12.9mm	43	112
5532625	25	0.528" / 13.4mm	45	119
24 AWG (7/32) 0,22mm2				
5532401	1	0.150" / 3.8mm	3	21
5532402	2	0.157" / 4.0mm	6	24
5532403	3	0.224" / 5.7mm	9	32
5532404	4	0.236" / 6.0mm	13	38
5532405	5	0.260" / 6.6mm	16	48
5532406	6	0.283" / 7.2mm	19	54
5532407	7	0.287" / 7.3mm	23	60
5532408	8	0.307" / 7.8mm	26	66
5532410	10	0.362" / 9.2mm	32	74
5532412	12	0.382" / 9.7mm	40	91
5532415	15	0.429" / 10.9mm	49	115
5532416	16	0.433" / 11.0mm	53	124
5532418	18	0.453" / 11.5mm	59	140
5532420	20	0.480" / 12.2mm	66	154
5532422	22	0.512" / 13.0mm	72	166
5532424	24	0.538" / 13.7mm	78	184
5532425	25	0.559" / 14.2mm	83	196

Sizes continued on next page.

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LiYY-TP-UL Sizes Continued. (22 AWG & Larger)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (7/30) 0,34mm2				
5532201	1	0.165" / 4.2mm	5	25
5532202	2	0.232" / 5.9mm	9	30
5532203	3	0.248" / 6.3mm	13	40
5532204	4	0.276" / 7.0mm	17	53
5532205	5	0.299" / 7.6mm	21	62
5532206	6	0.323" / 8.2mm	26	80
5532207	7	0.331" / 8.4mm	30	86
5532208	8	0.354" / 9.0mm	35	93
5532210	10	0.421" / 10.7mm	44	115
5532212	12	0.445" / 11.3mm	52	130
5532215	15	0.500" / 12.7mm	66	155
5532216	16	0.508" / 12.9mm	70	161
5532218	18	0.535" / 13.6mm	78	177
5532220	20	0.567" / 14.4mm	87	195
5532222	22	0.594" / 15.1mm	96	201
5532224	24	0.633" / 16.1mm	105	240
5532225	25	0.657" / 16.7mm	109	256
20 AWG (7/28) 0,56mm2				
5532001	1	0.181" / 4.6mm	7	40
5532002	2	0.256" / 6.5mm	15	54
5532003	3	0.280" / 7.1mm	21	63
5532004	4	0.307" / 7.8mm	29	70
5532005	5	0.339" / 8.6mm	36	87
5532006	6	0.378" / 9.6mm	43	101
5532007	7	0.386" / 9.8mm	50	117
5532008	8	0.476" / 12.1mm	58	176
5532010	10	0.492" / 12.5mm	72	200
5532012	12	0.516" / 13.1mm	87	216
5532015	15	0.579" / 14.7mm	108	248
5532016	16	0.587" / 14.9mm	115	270
5532018	18	0.618" / 15.7mm	129	322
5532020	20	0.657" / 16.7mm	144	370
5532022	22	0.677" / 17.2mm	158	417
5532024	24	0.732" / 18.6mm	173	460
5532025	25	0.756" / 19.2mm	180	484

* Additional sizes may be available.

Electronic & Data Cables