LiYCY-TP-UL UL/CSA/CE

LiYCY-TP-UL is a UL/CSA/CE approved, flexible, overall shielded, 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 and machine manufacturing. The twisted pair construction reduces internal interference (crosstalk) within the cable while the tinned copper braid shield offers optimum protection from electrical and electromagnetic interference (EMI). 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
- 85% tinned copper braid
- 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: 20.0 x Ø
- Static bending radius: 10.0 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -20° C to +80° C
- Flame retardant: IEC 60332.1, VW-1, FT1
- Insulation resistance: 20 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				
5542601	1	0.157" / 4.0mm	11	21
5542602	2	0.220" / 5.6mm	13	26
5542603	3	0.228" / 5.8mm	15	32
5542604	4	0.248" / 6.3mm	18	37
5542605	5	0.264" / 6.7mm	21	46
5542606	6	0.287" / 7.3mm	33	58
5542607	7	0.295" / 7.5mm	35	62
5542608	8	0.307" / 7.8mm	37	65
5542610	10	0.358" / 9.1mm	40	74
5542612	12	0.386" / 9.8mm	45	95
5542615	15	0.437" / 11.1mm	52	103
5542616	16	0.445" / 11.3mm	54	104
5542618	18	0.465" / 11.8mm	56	114
5542620	20	0.488" / 12.4mm	66	123
5542622	22	0.516" / 13.1mm	70	139
5542624	24	0.570" / 14.5mm	75	152
5542625	25	0.594" / 15.1mm	80	160
24 AWG (7/32) 0,22mm2				
5542401	1	0.165" / 4.2mm	11	31
5542402	2	0.232" / 5.9mm	18	36
5542403	3	0.244" / 6.2mm	21	44
5542404	4	0.264" / 6.7mm	25	53
5542405	5	0.283" / 7.2mm	36	66
5542406	6	0.303" / 7.7mm	44	76
5542407	7	0.311" / 7.9mm	47	81
5542408	8	0.331" / 8.4mm	50	87
5542410	10	0.390" / 9.9mm	73	102
5542412	12	0.402" / 10.2mm	77	127
5542415	15	0.449" / 11.4mm	89	151
5542416	16	0.457" / 11.6mm	95	152
5542418	18	0.480" / 12.2mm	98	160
5542420	20	0.500" / 12.7mm	107	181
5542422	22	0.531" / 13.5mm	114	201
5542425	25	0.583" / 14.8mm	155	228

Sizes continued on next page.

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

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (7/30) 0,34mm2				
5542201	1	0.181" / 4.6mm	11	39
5542202	2	0.252" / 6.4mm	24	44
5542203	3	0.272" / 6.9mm	30	52
5542204	4	0.295" / 7.5mm	36	59
5542205	5	0.319" / 8.1mm	42	74
5542206	6	0.346" / 8.8mm	49	85
5542207	7	0.362" / 9.2mm	53	94
5542208	8	0.382" / 9.7mm	59	99
5542210	10	0.453" / 11.5mm	72	123
5542212	12	0.472" / 12.0mm	82	141
5542215	15	0.528" / 13.4mm	103	164
5542216	16	0.535" / 13.6mm	108	168
5542218	18	0.567" / 14.4mm	132	184
5542220	20	0.591" / 15.0mm	140	201
5542222	22	0.626" / 15.9mm	146	215
5542225	25	0.681" / 17.3mm	164	270
20 AWG (7/28) 0,56mm2				
5542001	1	0.197" / 5.0mm	17	47
5542002	2	0.276" / 7.0mm	38	60
5542003	3	0.299" / 7.6mm	48	68
5542004	4	0.327" / 8.3mm	62	80
5542005	5	0.358" / 9.1mm	72	94
5542006	6	0.398" / 10.1mm	82	109
5542007	7	0.406" / 10.3mm	88	133
5542008	8	0.500" / 12.7mm	97	182
5542010	10	0.520" / 13.2mm	120	206
5542012	12	0.535" / 13.6mm	135	213
5542015	15	0.610" / 15.5mm	155	256
5542016	16	0.614" / 15.6mm	172	280
5542018	18	0.642" / 16.3mm	189	331
5542020	20	0.673" / 17.1mm	205	382
5542022	22	0.709" / 18.0mm	215	431
5542025	25	0.780" / 19.8mm	242	496

* Additional sizes may be available.