

LiYCY-TP Shielded Multi-Pair Cable



LiYCY-TP is a VDE 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 the tool making and machine industries. The twisted pair construction reduces interference (crosstalk) within the cable while the tinned copper braid shield offers optimum protection from electrical and electromagnetic interference. **LiYCY-TP** is recommended when a smaller diameter and bending radius is required. Not permitted for outdoor use.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- 22 AWG (0,34mm²) has a 7-wire strand
- Special PVC core insulation
- Color code DIN47100 - with color repetition
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket - gray (RAL 7001/7032)
- **Extremely oil resistant**

Technical:

- Working voltage: 350 volts
- Test voltage: 1200 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0812 & 0814
- 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 (18/38) 0,14mm²				
5042602	2	0.205" / 5.2mm	13	27
5042603	3	0.220" / 5.6mm	15	33
5042604	4	0.228" / 5.8mm	18	37
5042605	5	0.256" / 6.5mm	21	44
5042606	6	0.272" / 6.9mm	33	58
5042607	7	0.287" / 7.3mm	35	61
5042608	8	0.307" / 7.8mm	36	65
5042610	10	0.335" / 8.5mm	40	73
5042612	12	0.366" / 9.3mm	44	95
5042616	16	0.421" / 10.7mm	53	104
5042618	18	0.433" / 11.0mm	56	115
5042620	20	0.441" / 11.2mm	65	123
5042624	24	0.496" / 12.6mm	74	153
5042625	25	0.504" / 12.8mm	76	160
5042630	30	0.535" / 13.6mm	94	181
5042632	32	0.559" / 14.2mm	97	190
5042640	40	0.606" / 15.4mm	119	249
5042650	50	0.701" / 17.8mm	135	295
24 AWG (14/34) 0,25mm²				
5042402	2	0.248" / 6.3mm	19	36
5042403	3	0.264" / 6.7mm	21	44
5042404	4	0.268" / 6.8mm	25	54
5042405	5	0.307" / 7.8mm	37	65
5042406	6	0.346" / 8.8mm	44	76
5042407	7	0.350" / 8.9mm	47	81
5042408	8	0.378" / 9.6mm	50	87
5042410	10	0.417" / 10.6mm	74	105
5042412	12	0.457" / 11.6mm	78	127
5042416	16	0.512" / 13.0mm	96	159
5042418	18	0.520" / 13.2mm	99	166
5042420	20	0.539" / 13.7mm	109	184
5042424	24	0.590" / 15.0mm	150	221
5042425	25	0.606" / 15.4mm	156	230
5042430	30	0.657" / 16.7mm	170	252
5042432	32	0.673" / 17.1mm	195	268
5042440	40	0.740" / 18.8mm	234	325
5042450	50	0.783" / 19.9mm	270	369

Sizes continued on next page.

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LiYCY-TP Sizes Continued. (22 AWG and Larger)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (7/30) 0,34mm²				
5042202	2	0.248" / 6.3mm	25	44
5042203	3	0.295" / 7.5mm	30	52
5042204	4	0.315" / 8.0mm	36	60
5042205	5	0.350" / 8.9mm	42	74
5042206	6	0.413" / 10.5mm	49	88
5042207	7	0.421" / 10.7mm	53	97
5042208	8	0.429" / 10.9mm	59	101
5042210	10	0.472" / 12.0mm	72	127
5042212	12	0.520" / 13.2mm	82	148
5042216	16	0.594" / 15.1mm	103	168
5042218	18	0.614" / 15.6mm	132	184
5042221	21	0.638" / 16.2mm	144	201
5042225	25	0.705" / 17.9mm	160	268
5042230	30	0.748" / 19.0mm	192	295
5042234	34	0.787" / 20.0mm	208	342
5042240	40	0.827" / 21.0mm	263	396
5042244	44	0.874" / 22.2mm	284	402
5042250	50	0.925" / 23.5mm	305	436
5042261	61	1.035" / 26.3mm	374	563
20 AWG (16/32) 0,50mm²				
5042002	2	0.307" / 7.8mm	36	60
5042003	3	0.335" / 8.5mm	47	70
5042004	4	0.358" / 9.1mm	61	85
5042005	5	0.409" / 10.4mm	70	99
5042006	6	0.465" / 11.8mm	80	115
5042007	7	0.503" / 12.8mm	89	154
5042008	8	0.516" / 13.1mm	97	195
5042010	10	0.563" / 14.3mm	119	215
5042012	12	0.591" / 15.0mm	133	242
5042016	16	0.689" / 17.5mm	170	282
5042020	20	0.768" / 19.5mm	203	389
5042025	25	0.886" / 22.5mm	231	496
5042040	40	1.043" / 26.5mm	382	625
5042050	50	1.201" / 30.5mm	463	789
18 AWG (24/32) 0,75mm²				
5041802	2	0.332" / 8.2mm	39	70
5041803	3	0.354" / 9.0mm	56	86
5041804	4	0.362" / 9.2mm	72	105
5041805	5	0.433" / 11.0mm	85	127
5041806	6	0.488" / 12.4mm	98	145
5041807	7	0.535" / 13.6mm	109	176
5041808	8	0.555" / 14.1mm	121	207
5041810	10	0.602" / 15.3mm	148	238
5041812	12	0.646" / 16.4mm	175	272
5041816	16	0.756" / 19.2mm	220	379
5041820	20	0.835" / 21.2mm	263	470
5041825	25	0.925" / 23.5mm	315	637
17 AWG (32/32) 1,00mm²				
5041702	2	0.398" / 8.9mm	55	78
5041703	3	0.421" / 9.5mm	69	94
5041704	4	0.445" / 10.5mm	89	128
5041705	5	0.562" / 14.3mm	108	178
5041707	7	0.650" / 16.5mm	140	276
16 AWG (30/30) 1,50mm²				
5041602	2	0.421" / 10.7mm	74	82
5041603	3	0.457" / 11.6mm	91	130
5041604	4	0.512" / 13.0mm	115	161
5041605	5	0.598" / 15.2mm	142	228
5041607	7	0.689" / 17.5mm	198	319

* Additional sizes may be available.