

LiYCY-CY-TP Shielded Multi-Pair



LiYCY-CY-TP is a VDE approved, flexible, overall and individually 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. The shielded twisted pair and overall copper braid construction offer total interference-free data transfer and is ideal for use as a signal and control cable in combination with computers and external units. **LiYCY-CY-TP** is also well suited for use as a connecting cable found in sound studio equipment, measuring and control equipment and is highly reliable for process-control and security systems. Not permitted for outdoor use.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Color code DIN47100 - with color repetition
- Individual tinned copper braided pairs
- PVC inner jacket over pairs
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket - gray (RAL 7001/7032)
- **Extremely oil resistant**

Technical:

- Working voltage: 350/500 volts
- Test voltage: 1200/2000 volts
- Flexing bending radius: 12 x Ø
- Static bending radius: 6 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				
5052602	2	0.287" / 7.3mm	21	64
5052603	3	0.295" / 7.5mm	23	70
5052604	4	0.366" / 9.3mm	30	94
5052605	5	0.413" / 10.5mm	39	107
5052606	6	0.433" / 11.0mm	45	124
5052607	7	0.465" / 11.8mm	52	154
5052608	8	0.512" / 13.0mm	65	164
5052610	10	0.555" / 14.1mm	72	218
5052612	12	0.598" / 15.2mm	90	255
5052616	16	0.665" / 16.9mm	120	295
5052620	20	0.701" / 17.8mm	151	349
24 AWG (14/34) 0,25mm²				
5052402	2	0.374" / 9.5mm	42	83
5052403	3	0.398" / 10.1mm	52	94
5052404	4	0.476" / 12.1mm	83	138
5052405	5	0.488" / 12.4mm	92	154
5052406	6	0.516" / 13.1mm	99	184
5052407	7	0.638" / 16.2mm	107	198
5052408	8	0.665" / 16.9mm	119	221
5052410	10	0.677" / 17.2mm	143	282
5052412	12	0.689" / 17.5mm	160	312
5052416	16	0.866" / 22.0mm	195	396
5052420	20	0.890" / 22.6mm	218	416
5052424	24	1.083" / 27.5mm	246	463
5052432	32	1.173" / 29.8mm	394	527
5052448	48	1.358" / 34.5mm	563	651
22 AWG (19/34) 0,34mm²				
5052202	2	0.398" / 10.1mm	49	93
5052203	3	0.433" / 11.0mm	59	105
5052204	4	0.488" / 12.4mm	92	143
5052206	6	0.571" / 14.5mm	117	207
5052208	8	0.693" / 17.6mm	166	258
5052210	10	0.693" / 17.6mm	193	290

Sizes continued on next page.

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LiYCY-CY-TP Sizes Continued. (22 & 20 AWG)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (19/34) 0,34mm² Cont.				
5052212	12	0.728" / 18.5mm	215	332
5052214	14	0.815" / 20.7mm	260	402
5052216	16	0.886" / 22.5mm	285	427
5052224	24	1.102" / 28.0mm	387	524
20 AWG (16/32) 0,50mm²				
5052002	2	0.425" / 10.8mm	56	96
5052003	3	0.449" / 11.4mm	71	120
5052004	4	0.512" / 13.0mm	106	162
5052006	6	0.587" / 14.9mm	135	214
5052008	8	0.740" / 18.8mm	209	296
5052010	10	0.776" / 19.7mm	224	311
5052012	12	0.819" / 20.8mm	264	355
5052014	14	0.850" / 21.6mm	299	430
5052016	16	0.937" / 23.8mm	336	465
5052020	20	0.988" / 25.1mm	406	518
5052024	24	1.118" / 28.4mm	478	624

* Additional sizes may be available.