

Li2YCY-TP Shielded Low Cap



Li2YCY-TP is a CE approved, flexible, oil-resistant, overall shielded, PVC multi-pair European low capacitance 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 and damp conditions. Commonly used for interference free transmissions of data and signals over a long distance. Suitable for higher transmissions speeds for RS-422 and RS-485 interfaces. This cable is specially designed for fast and cost-effective connections using Termi-Point® and solder-free connection techniques. The braid shield offers additional protection against electrical and electromagnetic interference (EMI). Not permitted for outdoor use.



Construction:

- Bare copper strands
- 7-wire strands to VDE-0881 for Termi-Point®
- PE insulation compound 2Y11 to DIN VDE 0207
- Color code DIN47100 - with color repetition
- Cores twisted into pairs with optimal lay
- Plastic foil separator
- 85% tinned copper braid
- PVC jacket to VDE 0207 Part-5
- Color Gray (RAL 7032)

Li2YCYv-TP

- Reinforced outer PVC jacket - black
- Suitable for underground laying

Technical:

- Working voltage: 300 volts
- Test voltage: 2000/1000 volts
- Flexing bending radius: 12 x Ø
- Static bending radius: 7.5 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 5 GΩ x km
- Mutual Cap (800 Hz): max 70 nF/km

Approvals:

- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

** Attenuation (800 Hz) **

- 0,22 at 100 kHz 9.0 dB/km
- 0,34 at 100 kHz 9.6 dB/km
- 0,50 at 100 kHz 6.0 dB/km
- 0,22 at 1 MHz 25,0 dB/km
- 0,34 at 1 MHz 20.0 dB/km
- 0,50 at 1 MHz 18.0 dB/km

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
24 AWG (7/32) 0,22mm²				
5202402	2	0.244" / 6.2mm	17	32
5202403	3	0.264" / 6.7mm	21	44
5202404	4	0.287" / 7.3mm	27	55
5202408	8	0.354" / 9.0mm	42	83
5202410	10	0.413" / 10.5mm	53	111
22 AWG (7/30) 0,34mm²				
5202201	1	0.260" / 6.6mm	12	30
5202202	2	0.299" / 7.6mm	23	46
5202203	3	0.315" / 8.0mm	30	52
5202204	4	0.339" / 8.6mm	38	64
5202208	8	0.441" / 11.2mm	58	106
5202210	10	0.492" / 12.5mm	70	131
20 AWG (7/28) 0,50mm²				
5202001	1	0.248" / 6.3mm	15	38
5202002	2	0.331" / 8.4mm	33	50
5202003	3	0.350" / 8.9mm	40	73
5202004	4	0.378" / 9.6mm	49	86
5202008	8	0.484" / 12.3mm	83	150
5202010	10	0.571" / 14.5mm	104	178

* All sizes list above are available in a reinforced black jacket for underground use type Li2YCYv-TP (521)

**Additional sizes may be available.

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