

LiYY-TP PVC Multi-Pair Data Cable



LiYY-TP is a VDE approved, flexible, PVC twisted-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. LiYY-TP is recommended in areas where there are short runs in tight spaces and require a small outer diameter and bending radius. The twisted pair construction reduces interference within the cable. In many applications, no additional shield is necessary. Not permitted for outdoor use.



Construction:

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

Technical:

- Working voltage: 250 volts
- Test voltage: 1200 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -30° 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				
5032601	1	0.146" / 3.7mm	2	13
5032602	2	0.201" / 5.1mm	3	17
5032603	3	0.217" / 5.5mm	5	21
5032604	4	0.224" / 5.7mm	7	25
5032605	5	0.252" / 6.4mm	9	30
5032606	6	0.283" / 7.2mm	11	34
5032607	7	0.291" / 7.4mm	13	38
5032608	8	0.299" / 7.6mm	14	43
5032610	10	0.323" / 8.2mm	18	52
5032612	12	0.358" / 9.1mm	21	63
5032614	14	0.378" / 9.6mm	25	70
5032615	15	0.386" / 9.8mm	27	72
5032616	16	0.402" / 10.2mm	29	74
5032618	18	0.413" / 10.5mm	32	80
5032620	20	0.421" / 10.7mm	36	87
5032625	25	0.488" / 12.4mm	45	121
5032630	30	0.528" / 13.4mm	54	134
5032636	36	0.559" / 14.2mm	65	174
5032640	40	0.583" / 14.8mm	72	197
5032650	50	0.654" / 16.6mm	90	260
5032655	55	0.701" / 17.8mm	99	286
24 AWG (14/34) 0,25mm²				
5032401	1	0.157" / 4.0mm	3	21
5032402	2	0.213" / 5.4mm	7	25
5032403	3	0.228" / 5.8mm	10	32
5032404	4	0.252" / 6.4mm	13	39
5032405	5	0.283" / 7.2mm	17	47
5032406	6	0.315" / 8.0mm	20	54
5032407	7	0.323" / 8.2mm	23	60
5032408	8	0.343" / 8.7mm	27	66
5032410	10	0.382" / 9.7mm	34	76
5032412	12	0.417" / 10.6mm	40	92
5032414	14	0.441" / 11.2mm	47	108
5032415	15	0.465" / 11.8mm	50	117
5032416	16	0.480" / 12.2mm	54	125
5032418	18	0.492" / 12.5mm	60	142
5032420	20	0.524" / 13.3mm	67	157
5032425	25	0.602" / 15.3mm	84	201

Sizes continued on next page.

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LiYY-TP Sizes Continued. (24, 22, 20 & 18 AWG)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
24 AWG (14/34) 0,25mm² Cont.				
5032430	30	0.630" / 16.0mm	101	248
5032436	36	0.673" / 17.1mm	121	295
5032440	40	0.685" / 17.4mm	134	355
5032450	50	0.709" / 18.0mm	168	436
5032455	55	0.724" / 18.4mm	184	530
22 AWG (7/30) 0,34mm²				
5032201	1	0.181" / 4.6mm	4	24
5032202	2	0.217" / 5.5mm	9	28
5032203	3	0.264" / 6.7mm	13	34
5032204	4	0.291" / 7.4mm	17	41
5032208	8	0.319" / 8.1mm	25	80
5032210	10	0.362" / 9.2mm	32	102
20 AWG (16/32) 0,50mm²				
5032001	1	0.220" / 5.6mm	7	28
5032002	2	0.280" / 7.1mm	13	34
5032003	3	0.307" / 7.8mm	19	42
5032004	4	0.346" / 8.8mm	26	49
5032008	8	0.480" / 12.2mm	52	115
5032010	10	0.520" / 13.2mm	64	131
18 AWG (24/32) 0,75mm²				
5031801	1	0.264" / 6.7mm	9	32
5031802	2	0.295" / 7.5mm	19	40
5031803	3	0.331" / 8.4mm	29	50
5031804	4	0.343" / 8.7mm	39	62

* Additional sizes may be available.