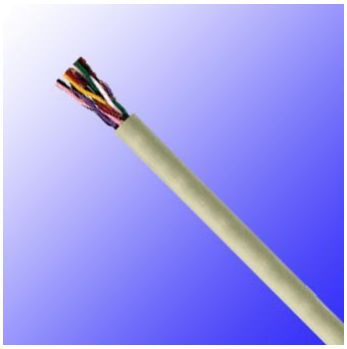
LiYY TP

Application and Description

LiYY TP is 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.



Standard and Approval

VDE 0812, VDE 0814, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

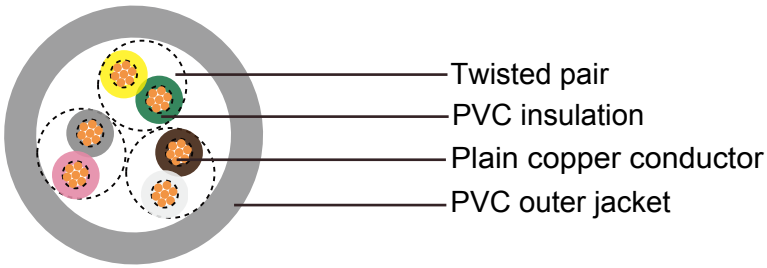
- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into pairs, pairs twisted into layers
- PVC outer jacket type TM2 to DIN VDE 0281 part 1

Technical Characteristics

- Working voltage: 250 volts
- Test voltage: 1200 volts

German Standard (VDE)

- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +80° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km



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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
26(18/38)	2 x 2 x 0,14	4.9	5.4	25.5
26(18/38)	3 x 2 x 0.14	5	8	32
26(18/38)	4 x 2 x 0.14	5.4	10.7	38.5
26(18/38)	5 x 2 x 0.14	5.9	13.4	45.5
26(18/38)	6 x 2 x 0.14	6.3	16.1	51
26(18/38)	10 x 2 x 0.14	8.1	26.9	77.5
26(18/38)	12 x 2 x 0.14	8.4	32.3	94.5
26(18/38)	14 x 2 x 0.14	8.8	37.6	105.5
26(18/38)	16 x 2 x 0.14	9.3	43	110.5
26(18/38)	18 x 2 x 0.14	10.2	48.4	119.5
26(18/38)	25 x 2 x 0.14	11.7	67	180.5
26(18/38)	30 x 2 x 0.14	12.4	81	199.5
26(18/38)	50 x 2 x 0.14	16	134	387
24(14/34)	2 x 2 x 0.25	6.1	9.6	38
24(14/34)	3 x 2 x 0.25	6.3	14.4	48
24(14/34)	4 x 2 x 0.25	6.8	19.2	59
24(14/34)	6 x 2 x 0.25	8	28.8	80
24(14/34)	8 x 2 x 0.25	9.4	38.4	98
24(14/34)	10 x 2 x 0.25	10.5	48	115
22(7/30)	2 x 2 x 0.34	5.5	13	42
22(7/30)	3 x 2 x 0.34	6.7	19	51
22(7/30)	4 x 2 x 0.34	7.4	25	61
22(7/30)	8 x 2 x 0.34	8.1	37	119
22(7/30)	10 x 2 x 0.34	9.2	48	152
20(16/32)	2 x 2 x 0.50	8.1	19.2	72
20(16/32)	3 x 2 x 0.50	8.4	28.8	83
20(16/32)	4 x 2 x 0.50	8.7	38.4	115
20(16/32)	8 x 2 x 0.50	12.7	76.8	206
20(16/32)	10 x 2 x 0.50	13.7	96	247
18(24/32)	2 x 2 x 0.75	7.5	28	60
18(24/32)	3 x 2 x 0.75	8.4	43	74
18(24/32)	4 x 2 x 0.75	8.7	58	92