LiYY PVC Data Cable

Application and Description

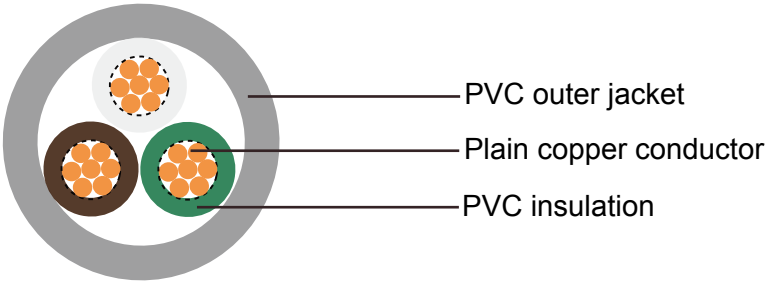
LiYY cables are data transmission cables which have been developed from well proven types based on the specification VDE 0812. For use in flexible or stationary applications under low mechanical stress with free movement without any tensile stress, loads or forced movements in dry, moist and wet conditions. 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 is recommended when a small outer diameter is required. Not permitted for outdoor use.

Standard and Approval

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

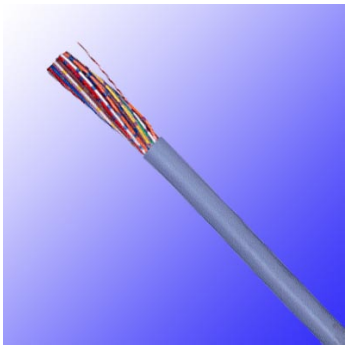
- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- PVC outer jacket type TM2 to DIN VDE 0281 part 1



LiYY

Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 1200/2000 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +70° 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)	2X0.14	3.2	2.7	13.0
26(18/38)	3X0.14	3.2	4.0	16.0
26(18/38)	4X0.14	3.5	5.4	19.0
26(18/38)	5X0.14	4.0	6.7	22.0
26(18/38)	6X0.14	4.3	8.1	25.0
26(18/38)	7X0.14	4.3	9.4	28.0
26(18/38)	8X0.14	4.6	10.7	35.0
26(18/38)	10X0.14	5.3	13.4	41.0
26(18/38)	12X0.14	5.6	16.1	48.0
26(18/38)	14X0.14	5.9	18.8	53.0
26(18/38)	16X0.14	6.2	21.5	59.0
26(18/38)	18X0.14	6.5	24.2	65.0
26(18/38)	20X0.14	6.5	26.9	70.0
26(18/38)	21X0.14	6.8	28.2	77.0
26(18/38)	24X0.14	7.6	32.3	87.0
26(18/38)	25X0,14	7.6	33.6	91.0
26(18/38)	27X0.14	7.7	36.3	97.0
26(18/38)	30X0.14	8.0	40.3	108.0
26(18/38)	32X0.14	8.2	43.0	114.0
26(18/38)	36X0.14	8.7	48.4	126.0
26(18/38)	40X0.14	9.5	54.0	139.0
26(18/38)	42X0.14	9.8	56.0	146.0
26(18/38)	44X0.14	10.3	59.0	153.0
26(18/38)	48X0.14	10.4	65.0	164.0
26(18/38)	52X0.14	10.7	70.0	173.0
26(18/38)	56X0.14	11.0	75.0	187.0

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)	61X0.14	11.3	82.0	204.0
26(18/38)	80X0.14	15.5	108.0	280.0
26(18/38)	100X0.14	18.1	135.0	370.0
24(14/34)	2X0.25	3.8	4.8	18.0
24(14/34)	3X0.25	3.9	7.2	22.0
24(14/34)	4X0.25	4.3	9.6	26.0
24(14/34)	5X0.25	4.8	12.0	30.0
24(14/34)	6X0.25	5.2	14.4	36.0
24(14/34)	7X0.25	5.2	16.8	42.0
24(14/34)	8X0.25	5.7	19.2	49.0
24(14/34)	10X0.25	6.4	24.0	57.0
24(14/34)	12X0.25	6.7	28.8	66.0
24(14/34)	14X0.25	7.1	33.6	75.0
24(14/34)	16X0.25	7.5	38.4	84.0
24(14/34)	18X0.25	7.9	43.2	72.0
24(14/34)	19X0.25	8.4	46.0	84.0
24(14/34)	20X0.25	9.1	48.0	101.0
24(14/34)	21X0.25	9.3	50.0	107.0
24(14/34)	24X0.25	9.8	60.0	120.0
24(14/34)	25X0.25	9.9	61.0	132.0
24(14/34)	27X0.25	10.1	65.0	140.0
24(14/34)	30X0.25	10.3	72.0	156.0
24(14/34)	32X0.25	10.5	77.0	164.0
24(14/34)	36X0.25	11.1	86.0	182.0
24(14/34)	37X0.25	11.3	89.0	190.0
24(14/34)	40X0.25	11.5	96.0	200.0
24(14/34)	42X0.25	11.8	101.0	211.0
24(14/34)	44X0.25	12.6	106.0	225.0
24(14/34)	48X0.25	12.7	115.0	245.0
24(14/34)	52X0.25	13.6	125.0	263.0
24(14/34)	56X0.25	14.0	134.0	280.0
24(14/34)	61X0.25	14.4	146.0	305.0
24(14/34)	80X0.25	19.6	192.0	450.0
24(14/34)	100X0.25	23.1	240.0	590.0
22(7/30)	2X0.34	4.2	6.5	22.0
22(7/30)	3X0.34	4.4	9.8	30.0
22(7/30)	4X0.34	4.9	13.1	43.0
22(7/30)	5X0.34	5.3	16.3	54.0
22(7/30)	6X0.34	5.8	19.6	58.0
22(7/30)	7X0.34	5.9	22.8	61.0
22(7/30)	8X0.34	6.3	26.1	73.0
22(7/30)	10X0.34	7.2	32.6	82.0
22(7/30)	12X0.34	7.6	39.2	102.0
22(7/30)	14XO.34	8.0	45.7	108.0
22(7/30)	16X0.34	8.4	52.0	126.0
22(7/30)	18X0.34	8.9	59.0	143.0
22(7/30)	20X0.34	9.8	65.0	160.0

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
22(7/30)	21X0.34	9.8	69.0	166.0
22(7/30)	24X0.34	11.0	78.0	186.0
22(7/30)	25X0.34	11.2	82.0	192.0
22(7/30)	27X0.34	11.2	88.0	206.0
22(7/30)	30X0.34	11.6	98.0	226.0
22(7/30)	32X0.34	11.9	104.0	245.0
22(7/30)	36X0.34	12.6	118.0	285.0
22(7/30)	37X0.34	12.9	121.0	292.0
22(7/30)	40X0.34	13.5	131.0	318.0
22(7/30)	42X0.34	14.0	137.0	330.0
22(7/30)	44X0.34	14.7	144.0	370.0
22(7/30)	48X0.34	14.9	157.0	405.0
22(7/30)	52X0.34	15.3	170.0	430.0
22(7/30)	53X0.34	15.5	183.0	440.0
22(7/30)	61X0.34	16.2	199.0	610.0
22(7/30)	80X0.34	22.0	264.0	880.0
22(7/30)	100X0.34	25.4	327.0	1050.0
20(16/32)	2X0.5	4.8	9.6	40.0
20(16/32)	3X0.5	5.1	14.4	46.0
20(16/32)	4X0.5	5.7	19.2	55.0
20(16/32)	5X0.5	6.2	24.0	64.0
20(16/32)	6X0.5	6.7	28.8	73.0
20(16/32)	7X0.5	7.4	33.6	81.0
20(16/32)	8X0.5	8.0	38.4	97.0
20(16/32)	10X0.5	8.8	48.0	116.0
20(16/32)	12X0.5	9.1	58.0	135.0
20(16/32)	16X0.5	10.0	77.0	168.0
20(16/32)	20X0.5	11.2	96.0	213.0
20(16/32)	24X0.5	12.3	116.0	241.0
20(16/32)	30X0.5	13.5	144.0	303.0
20(16/32)	40X0.5	15.8	192.0	391.0
18(24/32)	2X0.75	5.2	14.4	47.0
18(24/32)	3X0.75	5.5	21.6	54.0
18(24/32)	4X0.75	6.2	29.0	66.0
18(24/32)	5X0.75	6.8	36.0	80.0
18(24/32)	7X0.75	8.1	50.0	110.0
18(24/32)	8X0.75	8.9	58.0	125.0
18(24/32)	10X0.75	9.6	72.0	148.0
18(24/32)	12X0.75	9.9	86.0	176.0
18(24/32)	16X0.75	11.6	115.0	220.0
18(24/32)	20X0.75	12.6	144.0	276.0
17(32/32)	2X1.0	5.5	19.2	56.0
17(32/32)	3X1.0	6.0	29.0	71.0
16(30/30)	2X1.5	6.5	29.0	75.0
16(30/30)	3X1.5	6.9	43.0	90.0