



LiYCYCY

Application and Description

LiYCYCY braiding cable 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 a flexible connecting cable for electronic control equipment and computers in strong interference fields. The overall and individual tinned copper braid shields offer the best protection against electrical interference for perfect and precise impulse and data transmissions.

Standard and Approval

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

Cable Construction

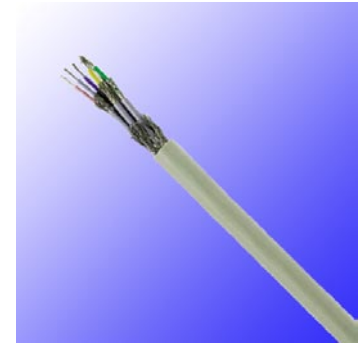
- Plain copper conductor
 - Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
 - PVC core insulation to DIN VDE 0281 part 1
 - Color coded to DIN 47100, but without color repetition
 - Cores twisted into pairs, pairs twisted into layers
 - Pairs screened individually, tinned copper braid, approx. 85% coverage
 - PVC inner jacket
 - Plastic foil separator
 - 85% tinned copper braid
 - PVC outer jacket to DIN VDE 0281 part 1
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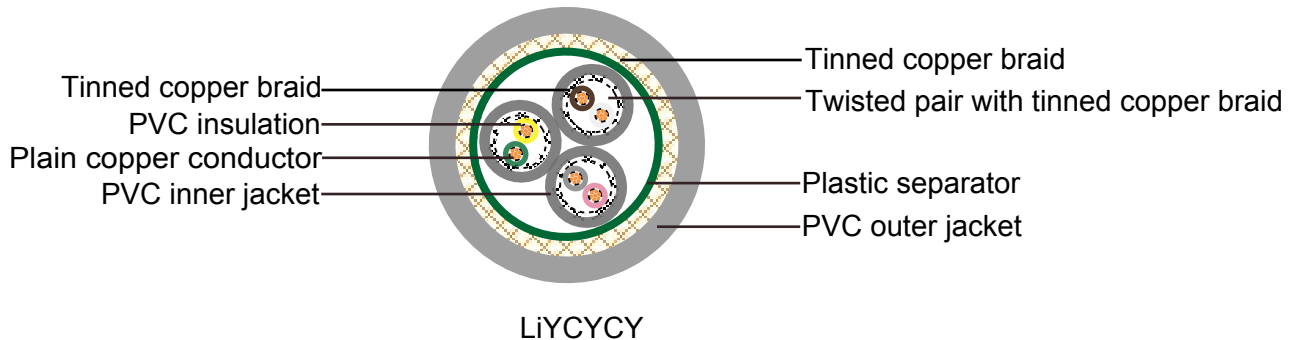
German Standard (VDE)

Technical Characteristics

- Working voltage: 350 volts
- Test voltage: 1200 volts
- Minimum bending radius: 6 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° 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 mm ²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
26(18/38)	2 x 2 x 0.14	7.3	31.0	95
26(18/38)	3 x 2 x 0.14	7.5	34.0	105
26(18/38)	4 x 2 x 0.14	9.3	45.0	140
26(18/38)	5 x 2 x 0.14	10.5	58.0	160
26(18/38)	6 x 2 x 0.14	11.0	67.0	185
26(18/38)	7 x 2 x 0.14	12.0	78.0	230
26(18/38)	8 x 2 x 0.14	13.5	97.0	245
26(18/38)	9 x 2 x 0.14	14.1	101.0	280
26(18/38)	10 x 2 x 0.14	14.0	108.0	325
26(18/38)	12 x 2 x 0.14	15.0	134.0	380
26(18/38)	16 x 2 x 0.14	17.0	179.0	440
26(18/38)	20 x 2 x 0.14	17.8	225.0	520
24(14/34)	2 x 2 x 0.25	9.5	62.0	125
24(14/34)	3 x 2 x 0.25	10.0	78.2	140



AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Copper Weight kg / km	Cable Weight kg / km
24(14/34)	4 x 2 x 0.25	12.0	124.1	205
24(14/34)	5 x 2 x 0.25	12.1	137.6	230
24(14/34)	6 x 2 x 0.25	13.0	148.1	275
24(14/34)	7 x 2 x 0.25	16.0	159.1	295
24(14/34)	8 x 2 x 0.25	17.0	178.7	330
24(14/34)	10 x 2 x 0.25	17.2	213.9	420
24(14/34)	12 x 2 x 0.25	17.5	238.3	465
24(14/34)	16 x 2 x 0.25	22.0	291.4	590
24(14/34)	20 x 2 x 0.25	22.6	325.0	620
24(14/34)	24 x 2 x 0.25	27.5	367.5	690
24(14/34)	32 x 2 x 0.25	29.8	588.0	785
24(14/34)	48 x 2 x 0.25	34.5	840.5	970
22(7/30)	2 x 2 x 0.34	10.1	73.1	139
22(7/30)	3 x 2 x 0.34	11.0	88.1	157
22(7/30)	4 x 2 x 0.34	12.4	137.2	213
22(7/30)	6 x 2 x 0.34	14.5	174.8	308
22(7/30)	8 x 2 x 0.34	16.0	247.2	385
22(7/30)	10 x 2 x 0.34	17.6	288.7	433
22(7/30)	12 x 2 x 0.34	18.5	321.0	495
22(7/30)	14 x 2 x 0.34	20.7	388.4	600
22(7/30)	16 x 2 x 0.34	22.5	425.5	637
22(7/30)	24 x 2 x 0.34	28.0	577.1	781
22(7/30)	2 x 2 x 0.5	10.8	83.1	143
22(7/30)	3 x 2 x 0.5	11.4	106.4	179
22(7/30)	4 x 2 x 0.5	13.0	158.0	241
22(7/30)	6 x 2 x 0.5	14.9	201.4	319
22(7/30)	8 x 2 x 0.5	16.8	311.5	441
22(7/30)	10 x 2 x 0.5	18.4	334.5	464
22(7/30)	12 x 2 x 0.5	20.1	394.1	529
22(7/30)	14 x 2 x 0.5	21.6	446.0	641
22(7/30)	16 x 2 x 0.5	23.8	501.2	694
22(7/30)	24 x 2 x 0.5	28.4	712.4	930