# LiYCY



## Application

These screened cables are used for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, wherever the construction requirements call for a minimum outer diameter, LiYY is the suitable cable to use. This applies especially to such areas as tool making and machine industries as well as electronic, computer, measurement and control sectors. The extremely small outer diameter make suitable for miniature plugs etc.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

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The materials used are free from silicon and cadmium and free from varnish damaging sustances.

## Standards

adapted to DIN VDE 0812,
self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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## Construction

| | |
|---|---|
| **Inner Conductor** | fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5 |
| **Core Insulation** | special polyvinylchlorid compound (PVC) TI2 to DIN VDE 0281 part 1 |
| **Core Color** | acc. to DIN 47100, without colour repetition |
| **Stranding Elements** | cores stranded in layers with optimalbr>lay-length |
| **Overall Shielding** | braid shield copper tinned |
| **Outer Insulation Material** | special PVC outer sheath TM2 to DIN VDE 0281 part 1 |
| **Constant Against** | extensively oil resistant |

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# Elektronikleitungen
# Electronic Cables

## Technical Data

| | |
|---|---|
| **Nominal Voltage** | $U_0$/U: 300 /500 V |
| **Nominal Volatage DC** | $U_0$/U: 0 /0 |
| **Test Voltage** | 1200 V |
| **Bending Radius moved (xD)** | 10 |
| **Bending Radius fixed (xD)** | 4 |
| **Operating Temperature solid** | -40 °C bis 80 °C |
| **Operating Temperature moving** | -5 °C bis 70 °C |
| **Fire Classes** | Eca |

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# Electronic Cables

| Prod. Nr.<br>Prod. Nr. | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|---|---|---|---|---|
| 03104025 | 1 x 0,25 | light grey - light grey | 14,0 | 4,0 |
| 03104060 | 1 x 0,5 | grey - grey | 21,0 | 3,3 |
| 03104076 | 1 x 0,75 | grey - grey | 24,0 | 3,5 |
| 03104085 | 1 x 1 | grey - grey | 29,0 | 3,9 |
| 03104001 | 2 x 0,14 | grey - grey | 20,0 | 3,9 |
| 03104026 | 2 x 0,25 | light grey - light grey | 25,0 | 4,6 |
| 03104045 | 2 x 0,34 | light grey - light grey | 31,0 | 4,8 |
| 03104139 | 2 x 0,34 | grey - grey | 31,0 | 4,8 |
| 03104061 | 2 x 0,5 | light grey - light grey | 42,0 | 5,0 |
| 03104077 | 2 x 0,75 | light grey - light grey | 50,0 | 6,7 |
| 03104086 | 2 x 1 | light grey - light grey | 58,0 | 6,3 |
| 03104091 | 2 x 1,5 | light grey - light grey | 80,0 | 8,5 |
| 03104002 | 3 x 0,14 | grey - grey | 24,0 | 4,0 |
| 03104027 | 3 x 0,25 | light grey - light grey | 29,0 | 4,8 |
| 03104046 | 3 x 0,34 | light grey - light grey | 38,0 | 5,0 |
| 03104135 | 3 x 0,5 | light grey - light grey | 55,0 | 5,3 |
| 03104079 | 3 x 0,75 | light grey - light grey | 71,0 | 7,0 |
| 03104087 | 3 x 1 | grey - grey | 81,0 | 6,8 |
| 03104092 | 3 x 1,5 | light grey - light grey | 102,0 | 7,5 |
| 03104117 | 3 x 2,5 | grey - grey | 167,0 | 9,4 |
| 03104189 | 4 x 0,14 | grey - grey | 28,0 | 4,2 |
| 03104028 | 4 x 0,25 | light grey - light grey | 36,0 | 5,2 |
| 03104137 | 4 x 0,34 | light grey - light grey | 46,0 | 5,4 |
| 03104063 | 4 x 0,5 | light grey - light grey | 68,0 | 5,7 |

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|---|---|---|---|---|
| 03104081 | 4 x 0,75 | light grey - light grey | 78,0 | 7,6 |
| 03104088 | 4 x 1 | light grey - light grey | 98,0 | 7,5 |
| 03104093 | 4 x 1,5 | light grey - light grey | 128,0 | 9,7 |
| 03104004 | 5 x 0,14 | grey - grey | 24,0 | 4,6 |
| 03104029 | 5 x 0,25 | light grey - light grey | 44,0 | 5,7 |
| 03104048 | 5 x 0,34 | light grey - light grey | 54,0 | 5,9 |
| 03104064 | 5 x 0,5 | light grey - light grey | 82,0 | 6,4 |
| 03104082 | 5 x 0,75 | light grey - light grey | 100,0 | 8,2 |
| 03104089 | 5 x 1 | light grey - light grey | 120,0 | 8,0 |
| 03104094 | 5 x 1,5 | light grey - light grey | 162,0 | 9,2 |
| 03104005 | 6 x 0,14 | grey - grey | 40,0 | 4,9 |
| 03104030 | 6 x 0,25 | light grey - light grey | 52,0 | 5,9 |
| 03104118 | 6 x 0,34 | light grey - light grey | 61,0 | 6,5 |
| 03104065 | 6 x 0,5 | light grey - light grey | 104,0 | 6,9 |
| 03104116 | 6 x 0,75 | light grey - light grey | 116,0 | 8,4 |
| 03104162 | 6 x 1 | light grey - light grey | 144,0 | 8,9 |
| 03104006 | 7 x 0,14 | grey - grey | 41,0 | 5,0 |
| 03104031 | 7 x 0,25 | light grey - light grey | 53,0 | 6,3 |
| 03104138 | 7 x 0,34 | light grey - light grey | 70,0 | 6,7 |
| 03104066 | 7 x 0,5 | light grey - light grey | 109,0 | 7,0 |
| 03104083 | 7 x 0,75 | grey - grey | 131,0 | 9,3 |
| 03104101 | 7 x 1 | light grey - light grey | 180,0 | 9,0 |
| 03104107 | 7 x 1,5 | grey - grey | 208,0 | 10,7 |
| 03104007 | 8 x 0,14 | grey - grey | 52,0 | 6,0 |

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|---|---|---|---|---|
| 03104032 | 8 x 0,25 | light grey - light grey | 67,0 | 6,6 |
| 03104051 | 8 x 0,34 | light grey - light grey | 75,0 | 7,0 |
| 03104067 | 8 x 0,5 | light grey - light grey | 123,0 | 8,0 |
| 03104084 | 8 x 0,75 | grey - grey | 151,0 | 9,9 |
| 03104112 | 8 x 1 | grey - grey | 202,0 | 10,2 |
| 03104008 | 10 x 0,14 | grey - grey | 57,0 | 6,2 |
| 03104033 | 10 x 0,25 | light grey - light grey | 81,0 | 6,7 |
| 03104052 | 10 x 0,34 | grey - grey | 110,0 | 8,9 |
| 03104068 | 10 x 0,5 | light grey - light grey | 135,0 | 9,8 |
| 03104152 | 10 x 0,75 | grey - grey | 180,0 | 10,5 |
| 03104105 | 10 x 1 | light grey - light grey | 215,0 | 11,4 |
| 03104167 | 10 x 1,5 | grey - grey | 315,0 | 12,6 |
| 03104009 | 12 x 0,14 | grey - grey | 72,0 | 6,7 |
| 03104034 | 12 x 0,25 | grey - grey | 91,0 | 7,8 |
| 03104053 | 12 x 0,34 | grey - grey | 120,0 | 9,0 |
| 03104069 | 12 x 0,5 | light grey - light grey | 150,0 | 9,5 |
| 03104103 | 12 x 0,75 | grey - grey | 218,0 | 11,4 |
| 03104090 | 12 x 1 | grey - grey | 285,0 | 11,7 |
| 03104110 | 12 x 1,5 | grey - grey | 338,0 | 13,6 |
| 03104010 | 14 x 0,14 | grey - grey | 78,0 | 6,9 |
| 03104035 | 14 x 0,25 | grey - grey | 104,0 | 8,0 |
| 03104163 | 14 x 0,34 | grey - grey | 153,0 | 9,0 |
| 03104070 | 14 x 0,5 | grey - grey | 169,0 | 10,0 |
| 03104011 | 16 x 0,14 | grey - grey | 87,0 | 7,5 |

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|---|---|---|---|---|
| 03104036 | 16 x 0,25 | light grey - light grey | 116,0 | 8,6 |
| 03104054 | 16 x 0,34 | grey - grey | 147,0 | 10,0 |
| 03104071 | 16 x 0,5 | grey - grey | 201,0 | 10,7 |
| 03104146 | 16 x 0,75 | grey - grey | 275,0 | 12,3 |
| 03104169 | 16 x 1,5 | grey - grey | 424,0 | 14,4 |
| 03104012 | 18 x 0,14 | grey - grey | 92,0 | 7,5 |
| 03104037 | 18 x 0,25 | grey - grey | 133,0 | 9,0 |
| 03104055 | 18 x 0,34 | grey - grey | 172,0 | 10,5 |
| 03104072 | 18 x 0,5 | grey - grey | 210,0 | 11,0 |
| 03104095 | 18 x 0,75 | grey - grey | 274,0 | 13,1 |
| 03104150 | 18 x 1 | grey - grey | 412,0 | 13,9 |
| 03104191 | 18 x 1,5 | grey - grey | 450,0 | 15,5 |
| 03104013 | 20 x 0,14 | grey - grey | 104,0 | 7,8 |
| 03104121 | 20 x 0,25 | light grey - light grey | 152,0 | 9,1 |
| 03104145 | 20 x 0,34 | grey - grey | 199,0 | 10,4 |
| 03104073 | 20 x 0,5 | grey - grey | 234,0 | 11,2 |
| 03104179 | 20 x 0,75 | grey - grey | 362,0 | 13,4 |
| 03104038 | 21 x 0,25 | grey - grey | 137,0 | 10,0 |
| 03104108 | 21 x 0,34 | grey - grey | 199,0 | 10,4 |
| 03104015 | 24 x 0,14 | grey - grey | 118,0 | 9,1 |
| 03104039 | 24 x 0,25 | grey - grey | 168,0 | 10,2 |
| 03104056 | 24 x 0,34 | grey - grey | 229,0 | 13,0 |
| 03104074 | 24 x 0,5 | grey - grey | 290,0 | 13,3 |
| 03104097 | 24 x 0,75 | grey - grey | 349,0 | 15,1 |

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|---|---|---|---|---|
| 03104016 | 25 x 0,14 | grey - grey | 120,0 | 9,3 |
| 03104124 | 25 x 0,25 | light grey - light grey | 173,0 | 10,4 |
| 03104120 | 25 x 0,34 | grey - grey | 245,0 | 13,0 |
| 03104115 | 25 x 0,5 | grey - grey | 351,0 | 13,9 |
| 03104140 | 25 x 0,75 | grey - grey | 415,0 | 14,3 |
| 03104172 | 25 x 1 | light grey - light grey | 478,0 | 16,0 |
| 03104192 | 25 x 1,5 | grey - grey | 618,0 | 18,5 |
| 03104017 | 27 x 0,14 | grey - grey | 123,0 | 9,3 |
| 03104040 | 27 x 0,25 | grey - grey | 180,0 | 12,2 |
| 03104057 | 27 x 0,34 | grey - grey | 252,0 | 12,6 |
| 03104171 | 27 x 0,75 | grey - grey | 450,0 | 14,3 |
| 03104018 | 30 x 0,14 | grey - grey | 190,0 | 9,7 |
| 03104106 | 30 x 0,34 | grey - grey | 290,0 | 12,2 |
| 03104142 | 30 x 0,5 | grey - grey | 396,0 | 14,6 |
| 03104019 | 32 x 0,14 | grey - grey | 146,0 | 10,0 |
| 03104041 | 32 x 0,25 | grey - grey | 205,0 | 13,0 |
| 03104058 | 32 x 0,34 | grey - grey | 288,0 | 13,5 |
| 03104075 | 32 x 0,5 | grey - grey | 360,0 | 14,5 |
| 03104166 | 32 x 0,75 | grey - grey | 530,0 | 16,3 |
| 03104020 | 36 x 0,14 | grey - grey | 157,0 | 10,2 |
| 03104042 | 36 x 0,25 | grey - grey | 219,0 | 12,2 |
| 03104187 | 36 x 0,34 | grey - grey | 330,0 | 13,8 |
| 03104133 | 36 x 0,5 | grey - grey | 445,0 | 15,7 |
| 03104151 | 36 x 0,75 | grey - grey | 600,0 | 17,8 |

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|---|---|---|---|---|
| 03104182 | 37 x 0,25 | grey - grey | 230,0 | 11,9 |
| 03104021 | 40 x 0,14 | grey - grey | 249,0 | 10,9 |
| 03104043 | 40 x 0,25 | grey - grey | 247,0 | 14,1 |
| 03104096 | 40 x 0,34 | grey - grey | 323,0 | 14,9 |
| 03104134 | 40 x 0,5 | grey - grey | 495,0 | 16,5 |
| 03104147 | 48 x 0,34 | grey - grey | 420,0 | 15,8 |
| 03104023 | 50 x 0,14 | grey - grey | 320,0 | 12,0 |
| 03104114 | 50 x 0,25 | grey - grey | 325,0 | 13,6 |
| 03104175 | 50 x 0,5 | grey - grey | 570,0 | 18,1 |
| 03104024 | 52 x 0,14 | grey - grey | 340,0 | 12,3 |
| 03104044 | 52 x 0,25 | grey - grey | 313,0 | 13,6 |
| 03104144 | 61 x 0,14 | grey - grey | 370,0 | 12,2 |
| 03104176 | 61 x 0,25 | grey - grey | 370,0 | 15,1 |
| 03104119 | 61 x 0,34 | grey - grey | 520,0 | 17,1 |

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