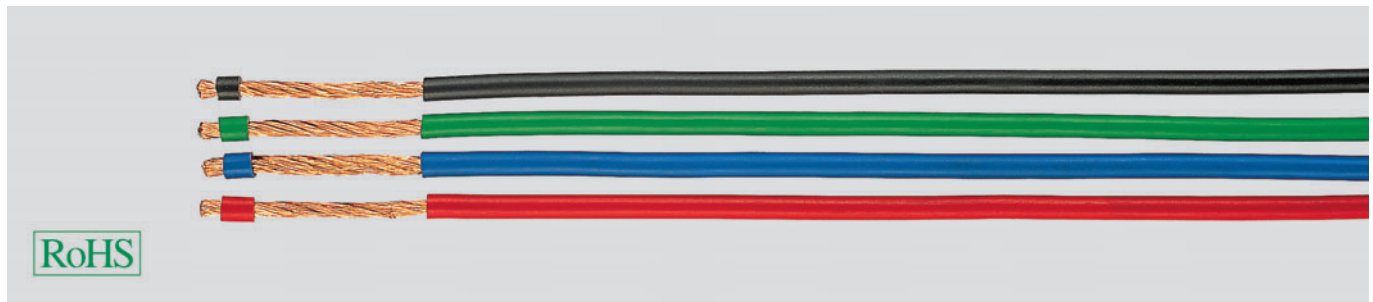


# LifY Single Core extra fine wires with highest flexibility



## Technical data

- Special PVC insulated extra fine stranded wire
- Extreme flexible by special design
- Adapted to DIN VDE 0250, 0281, 0295
- **Temperature range**  
flexing -15 °C to +80 °C
- **Operating voltage**  
up to 0,25 mm<sup>2</sup> 300 V  
(not for purposes of high current and power installation)
- **Nominal voltage**  
0,5 mm<sup>2</sup> up to 1 mm<sup>2</sup> U<sub>0</sub>/U 300/500 V  
from 1,5 mm<sup>2</sup> U<sub>0</sub>/U 450/750 V
- **Test voltage**  
up to 0,25 mm<sup>2</sup> = 2 kV  
0,5 - 1 mm<sup>2</sup> = 2,5 kV  
from 1,5 mm<sup>2</sup> = 3 kV
- **Bending radius**, flexing  
approx. 8x cable Ø

## Cable structure

- Bare copper, extra fine wire conductors, bunch stranded, see table below
- PVC-core insulation with plasticized and elastic PVC

## Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- Please complete the part number for these cables by adding the suffix for the colour required as per the list:  
00 = green, 01 = black, 02 = red,  
03 = blue, 04 = brown, 05 = white,  
06 = grey, 07 = violet, 08 = yellow,  
09 = orange, 10 = transparent,  
11 = pink, 12 = beige, 13 = twin colour

## Application

The LifY single cores are used as super flexible insulated strand wires for switch cabinets, as measuring cable for testing, laboratories, research etc.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	Core colour	Cross-section mm <sup>2</sup>	Cond. make-up (nom. val.) n x wire Ø	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
151xx	-	0,1	51 x 0,05	1,0	1,2	2,1	-
152xx	-	0,14	72 x 0,05	1,0	1,4	2,6	26
153xx	-	0,25	65 x 0,07	1,0	2,5	4,2	24
154xx	-	0,5	132 x 0,07	2,0	5,5	8,0	20
155xx	-	0,75	195 x 0,07	2,2	8,0	12,0	18
156xx	-	1	260 x 0,07	2,5	10,8	18,0	17
157xx	-	1,5	192 x 0,1	3,5	15,0	22,0	16
158xx	-	2,5	320 x 0,1	3,8	25,0	37,0	14
159xx	-	4	512 x 0,1	4,9	40,0	50,0	12
15093	black	6	768 x 0,1	6,0	60,0	71,0	10
15135	gn-ye	6	768 x 0,1	6,0	60,0	71,0	10
15115	blue	6	768 x 0,1	6,0	60,0	71,0	10
15116	brown	6	768 x 0,1	6,0	60,0	71,0	10
15114	red	6	768 x 0,1	6,0	60,0	71,0	10
15094	black	10	1280 x 0,1	7,3	100,0	130,0	8
15136	gn-ye	10	1280 x 0,1	7,3	100,0	130,0	8
15118	blue	10	1280 x 0,1	7,3	100,0	130,0	8
15119	brown	10	1280 x 0,1	7,3	100,0	130,0	8
15117	red	10	1280 x 0,1	7,3	100,0	130,0	8
15095	black	16	2048 x 0,1	8,8	160,0	187,0	6
15137	gn-ye	16	2048 x 0,1	8,8	160,0	187,0	6
15121	blue	16	2048 x 0,1	8,8	160,0	187,0	6
15122	brown	16	2048 x 0,1	8,8	160,0	187,0	6
15120	red	16	2048 x 0,1	8,8	160,0	187,0	6
15096	black	25	3234 x 0,1	10,5	240,0	294,0	4
15138	gn-ye	25	3234 x 0,1	10,5	240,0	294,0	4
15124	blue	25	3234 x 0,1	10,5	240,0	294,0	4
15125	brown	25	3234 x 0,1	10,5	240,0	294,0	4
15123	red	25	3234 x 0,1	10,5	240,0	294,0	4

Dimensions and specifications may be changed without prior notice. (RK01)

Part no.	Core colour	Cross-section mm <sup>2</sup>	Cond. make-up (nom. val.) n x wire Ø	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15097	black	35	4508 x 0,1	11,7	336,0	380,0	2
15139	gn-ye	35	4508 x 0,1	11,7	336,0	380,0	2
15127	blue	35	4508 x 0,1	11,7	336,0	380,0	2
15128	brown	35	4508 x 0,1	11,7	336,0	380,0	2
15126	red	35	4508 x 0,1	11,7	336,0	380,0	2
15098	black	50	6468 x 0,1	14,7	480,0	521,0	1
15140	gn-ye	50	6468 x 0,1	14,7	480,0	521,0	1
15130	blue	50	6468 x 0,1	14,7	480,0	521,0	1
15131	brown	50	6468 x 0,1	14,7	480,0	521,0	1
15129	red	50	6468 x 0,1	14,7	480,0	521,0	1
15099	black	70	8967 x 0,1	15,5	672,0	740,0	2/0
15141	gn-ye	70	8967 x 0,1	15,5	672,0	740,0	2/0
15133	blue	70	8967 x 0,1	15,5	672,0	740,0	2/0
15134	brown	70	8967 x 0,1	15,5	672,0	740,0	2/0
15132	red	70	8967 x 0,1	15,5	672,0	740,0	2/0