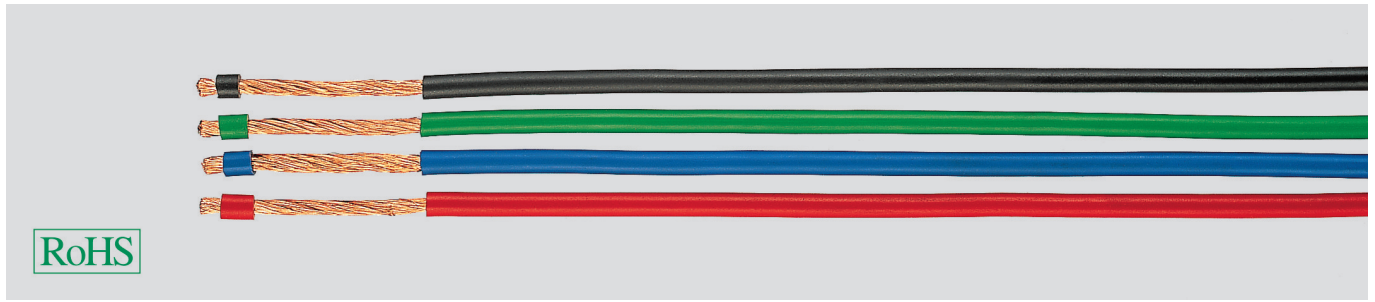


LifY Single Core extra fine wires with highest flexibility



Technical data

- Special plastic stranded wire
- by special design extremely flexible
- adapted to DIN VDE 0250, DIN VDE 0285-525-1 / DIN EN 50525-1
- **Temperature range**
flexing -15°C to +80°C
- **Operating voltage**
up to 0,25 mm² 300 V
(not for purposes of high current and power installation)
- **Nominal voltage**
0,5-1 mm² U₀/U 300/500 V
from 1,5 mm² U₀/U 450/750 V
- **Test voltage**
up to 0,25 mm² = 2 kV
0,5-1 mm² = 2,5 kV
from 1,5 mm² = 3 kV
- **Minimum bending radius**
flexing 8x core Ø

Cable structure

- Bare Cu-conductors, extra fine-wire
- conductor construction see table below
- Core insulation of PVC (soft, smooth)
- stranded specially

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- Please complete the part number for these cores 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 = 2-colour 15= darkblue
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

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

☞ The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Partno.	Core colour	Cross-sec. mm ²	Cond. make-up (nom. val.) n x wire Ø	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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	1,3	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	BK	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	BU	6	768 x 0,1	6,0	60,0	71,0	10
15116	BN	6	768 x 0,1	6,0	60,0	71,0	10
15114	RD	6	768 x 0,1	6,0	60,0	71,0	10
15094	BK	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	BU	10	1280 x 0,1	7,3	100,0	130,0	8
15119	BN	10	1280 x 0,1	7,3	100,0	130,0	8
15117	RD	10	1280 x 0,1	7,3	100,0	130,0	8
15095	BK	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	BU	16	2048 x 0,1	8,8	160,0	187,0	6
15122	BN	16	2048 x 0,1	8,8	160,0	187,0	6
15120	RD	16	2048 x 0,1	8,8	160,0	187,0	6
15096	BK	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	BU	25	3234 x 0,1	10,5	240,0	294,0	4
15125	BN	25	3234 x 0,1	10,5	240,0	294,0	4
15123	RD	25	3234 x 0,1	10,5	240,0	294,0	4

Partno.	Core colour	Cross-sec. mm ²	Cond. make-up (nom. val.) n x wire Ø	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
15097	BK	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	BU	35	4508 x 0,1	11,7	336,0	380,0	2
15128	BN	35	4508 x 0,1	11,7	336,0	380,0	2
15126	RD	35	4508 x 0,1	11,7	336,0	380,0	2
15098	BK	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	BU	50	6468 x 0,1	14,7	480,0	521,0	1
15131	BN	50	6468 x 0,1	14,7	480,0	521,0	1
15129	RD	50	6468 x 0,1	14,7	480,0	521,0	1
15099	BK	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	BU	70	8967 x 0,1	15,5	672,0	740,0	2/0
15134	BN	70	8967 x 0,1	15,5	672,0	740,0	2/0
15132	RD	70	8967 x 0,1	15,5	672,0	740,0	2/0

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