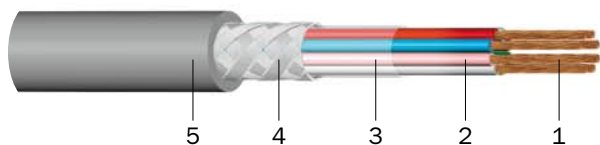


LiYCY paired

Electronic control cable, screened
Standard: similar to DIN VDE 0812

Application:

In the electronics of measuring and control devices for the transmission of signals in the range of milliamperes. Protected against crosstalks between the circuits and against external electrical influences.



Construction:

- 1 Copper conductor, fine wire
- 2 Insulation (PVC), cores stranded to pairs, pairs stranded in layers
- 3 Taping (plastic tape)
- 4 Braided screen (tinned copper wires)
- 5 Sheath (PVC grey RAL 7032)

- Operating voltage:** 0.14 mm²: max. 350 Vss
from 0.25 mm²: max. 500 Vss
- Test voltage:** 0.14 mm²: 800 Veff
from 0.25 mm²: 1200 Veff
- Temperature range:**
During installation: min. -5 °C
Operating temperature: fixed -30 °C to +70 °C
moved -5 °C to +70 °C
Conductor temperature: max. +70 °C
- Bending radius (min.):** 4 x Ø of the cable
- Core identification:** colour code (DIN 47100)
- Flammability:** Self extinguishing (EN 50265-2-1, IEC 60332-1)

Energy cables

Electrical data						
Conductor cross section	(mm ²)	0.14	0.25	0.34	0.50	0.75
Conductor resistance max. at 20 °C	(Ω/km)	148	79.9	75.4	39	26
Insulation resistance min. at 20 °C	(MΩ.km)	200	200	200	200	200
Mutual capacitance (approx. value) at 800 Hz	(nF/km)	100	100	100	150	150

Number of pairs x nominal cross section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
LiYCY paired					
2 x 2 x 0.14	4.4	24	36	1000 Sp	1,306.09
3 x 2 x 0.14	4.8	27	42	1000 Sp	1,473.74
4 x 2 x 0.14	5.7	41	53	1000 Sp	1,798.57
5 x 2 x 0.14	6.0	46	62	1000 Sp	2,076.05
6 x 2 x 0.14	6.1	54	66	1000 Sp	2,308.58
7 x 2 x 0.14	6.6	57	74	1000 Sp	2,355.73
8 x 2 x 0.14	7.6	59	82	1000 Sp	2,610.69
10 x 2 x 0.14	8.2	68	106	1000 Sp	3,220.07
12 x 2 x 0.14	8.4	82	117	1000 Sp	3,642.08
16 x 2 x 0.14	10.3	97	168	1000 Sp	4,673.59
2 x 2 x 0.25	4.5	28	44	1000 Sp	1,505.04
3 x 2 x 0.25	5.7	44	56	1000 Sp	1,846.61

LiICY paired

Number of pairs x nominal cross section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
LiICY paired					
4 x 2 x 0.25	6.6	57	71	1000 Sp	2,125.70
5 x 2 x 0.25	7.4	63	82	1000 Sp	2,989.54
6 x 2 x 0.25	7.5	68	99	1000 Sp	3,182.31
8 x 2 x 0.25	9.0	86	124	1000 Sp	3,784.32
10 x 2 x 0.25	10.2	115	154	1000 Sp	4,332.71
2 x 2 x 0.34	6.6	45	66	1000 Sp	1,778.02
3 x 2 x 0.34	7.5	54	80	1000 Sp	2,102.07
4 x 2 x 0.34	8.5	67	101	1000 Sp	2,426.00
2 x 2 x 0.50	7.2	52	79	1000 Sp	1,809.75
3 x 2 x 0.50	8.6	67	106	1000 Sp	2,146.02
4 x 2 x 0.50	9.3	83	126	1000 Sp	2,554.19
5 x 2 x 0.50	10.2	100	171	1000 Sp	3,024.62
6 x 2 x 0.50	12.0	112	186	1000 Sp	3,499.75
8 x 2 x 0.50	13.2	132	232	1000 Sp	5,631.03
12 x 2 x 0.50	15.4	196	313	1000 Sp	7,287.47
2 x 2 x 0.75	7.7	68	96	1000 Sp	2,719.14
3 x 2 x 0.75	9.3	85	132	1000 Sp	3,206.62
4 x 2 x 0.75	9.8	124	164	1000 Sp	3,822.49
6 x 2 x 0.75	11.6	145	251	1000 Sp	5,052.44

Subject to technical changes. All figures are therefore without guarantee.