

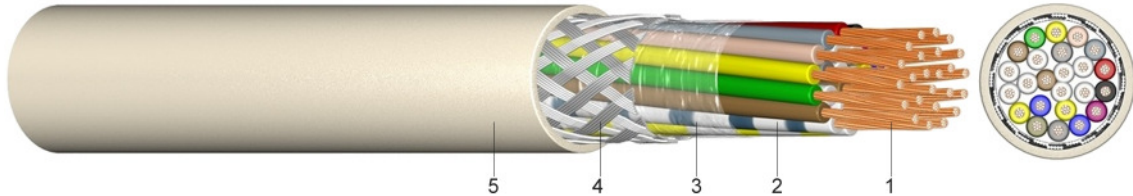
Datasheet

Version 1/2009

LiYCY paarig Paired Electronic Control Cable with Tinned Copper Braiding

Application:

To be installed in dry and humid rooms and used as a termination and connection cable in the control, measuring and signal technology.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 layer of plastic foil
- 4 screen of tinned copper wire braiding
- 5 outer sheath of polyvinylchloride (PVC), grey

Information:

Peak operating voltage [V]:

0,14 mm² ... 350 Volt
all others ... 500 Volt

Test Voltage [V_{AC}]:

0,14 mm² ... 800 Volt
all others ... 1.200 Volt

Attenuation at 800 Hz :

0,14mm² app. 2,3 dB/km
0,25mm² app. 1,9 dB/km
0,34mm² app. 1,5 dB/km
0,50mm² app. 1,3 dB/km
0,75mm² app. 1,1 dB/km

According to:

adapted to DIN VDE 0812
DIN EN 60228 class 5 (construction)
DIN 47100 or factory standard (core identification)

Technical data:

Temperature range	in motion		-5 °C till +70 °C
	fixed		-30 °C till +70 °C
Bending radius	in motion	x diameter	10
Flammability	standard		EN 60332-1-2
Insulation resistance	min.	[MΩm/km]	100
Mutal capacitance	max.	[nF/km]	120

Number of pairs and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Conductor loop resistance Ωm/km	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,14	24	18 x 0,10	276,0	5,8	34
3 x 2 x 0,14	27	18 x 0,10	276,0	6,2	43
4 x 2 x 0,14	41	18 x 0,10	276,0	6,8	50
5 x 2 x 0,14	46	18 x 0,10	276,0	7,7	70
6 x 2 x 0,14	54	18 x 0,10	276,0	7,9	81
8 x 2 x 0,14	59	18 x 0,10	276,0	8,6	93

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Number of pairs and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Conductor loop resistance Ohm/km	Overall diameter appr. mm	Weight appr. kg / km
10 x 2 x 0,14	68	18 x 0,10	276,0	9,5	115
12 x 2 x 0,14	82	18 x 0,10	276,0	9,9	125
16 x 2 x 0,14	97	18 x 0,10	276,0	11,2	148
2 x 2 x 0,25	29	14 x 0,16	151,0	6,6	46
3 x 2 x 0,25	44	14 x 0,16	151,0	7,0	64
4 x 2 x 0,25	57	14 x 0,16	151,0	7,6	73
5 x 2 x 0,25	63	14 x 0,16	151,0	8,4	88
6 x 2 x 0,25	72	14 x 0,16	151,0	8,6	98
8 x 2 x 0,25	80	14 x 0,16	151,0	9,4	118
10 x 2 x 0,25	115	14 x 0,16	151,0	10,7	165
2 x 2 x 0,34	45	19 x 0,16	115,0	7,5	64
3 x 2 x 0,34	54	19 x 0,16	115,0	7,9	86
4 x 2 x 0,34	67	19 x 0,16	115,0	8,5	113
2 x 2 x 0,5	56	16 x 0,21	75,6	8,2	75
3 x 2 x 0,5	77	16 x 0,21	75,6	8,7	98
4 x 2 x 0,5	95	16 x 0,21	75,6	9,3	123
6 x 2 x 0,5	125	16 x 0,21	75,6	10,8	162
8 x 2 x 0,5	150	16 x 0,21	75,6	11,8	190
12 x 2 x 0,5	207	16 x 0,21	75,6	14,0	342
2 x 2 x 0,75	68	24 x 0,21	50,6	8,6	106
3 x 2 x 0,75	88	24 x 0,21	50,6	9,5	140
4 x 2 x 0,75	124	24 x 0,21	50,6	10,8	179
6 x 2 x 0,75	152	24 x 0,21	50,6	12,5	246
8 x 2 x 0,75	188	24 x 0,21	50,6	14,6	300
12 x 2 x 0,75	277	24 x 0,21	50,6	17,8	433
16 x 2 x 0,75	344	24 x 0,21	50,6	18,7	564