LiYCY paar



Application

The cables are used in instrumentation and control engineering - in industrial electronics, information and transmission systems, control and measuring systems, office machines and precision mechanics.
The cables are suitable for voice communication in telecommunications systems.

Technical data

- manufactured acc. to DIN VDE 0814, DIN 47414
- rated voltage : 250 V
- test voltage : 1200 V
- insulation resistance at 20 °C, min 200 MΩ x km
- inductance: approx. 0,7 mH/km
- mutual capacitance at 800 Hz (core/adjacent cores): max 150 pF/m
- maximum conductor temperature: + 70 °C
- temperature of environment: mobile: - 5 °C to +50 °C; fixed: -30 °C to +50 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius: mobile : 15D; fixed : 6D (D - diameter of cable)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath colour: grey - RAL 7001 or RAL 7032

Cable design

- copper conductors class 5 acc. to IEC 60228 (except for 0.34 mm^2: 7x0.25mm)
- insulation: PVC compound type YI2 according to DIN VDE 0207-4
- cores twisted in pairs
- pairs twisted in layers
- wrapping: plastic foil overlapping
- screen: braid of tinned copper wires coverage: 85±5%
- sheath: PVC compound type YM1 according to DIN VDE 0207-5

Core identification in accordance to DIN 47100

Pair No.	a-core colour	b-core colour
1	white	brown
2	green	yellow
3	grey	pink
4	blue	red
5	black	violet

No. of Conductors and Nominal Cross-Section No x mm^2	Outer Diameter mm	Cable Weight kg/km	Cable Weight kg/km
1 x 2 x 0,14	4,3	11,2	27
2 x 2 x 0,14	5,6	19,0	37
3 x 2 x 0,14	5,8	24,0	49
4 x 2 x 0,14	6,5	34,6	58
5 x 2 x 0,14	6,9	45,4	79
1 x 2 x 0,25	4,8	14,4	32
2 x 2 x 0,25	6,6	24,2	44
3 x 2 x 0,25	6,9	41,0	67
4 x 2 x 0,25	7,5	51,4	91
5 x 2 x 0,25	8,1	56,2	95
1 x 2 x 0,34	5,1	17,5	40

Gamakabel

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No. of Conductors and Nominal Cross-Section No x mm^2	Outer Diameter mm	Cable Weight kg/km	Cable Weight kg/km
2 x 2 x 0,34	6,2	30,3	59
3 x 2 x 0,34	7,3	51,7	91
4 x 2 x 0,34	8,4	64,2	116
5 x 2 x 0,34	9,1	74,9	132
1 x 2 x 0,50	5,8	22,3	44
2 x 2 x 0,50	8,3	50,2	81
3 x 2 x 0,50	8,8	65,6	107
4 x 2 x 0,50	9,5	79,7	144
5 x 2 x 0,50	10,4	97,1	156
1 x 2 x 0,75	6,5	28,5	60
2 x 2 x 0,75	9,2	62,4	91
3 x 2 x 0,75	9,7	84,8	130
4 x 2 x 0,75	10,6	105,9	169
5 x 2 x 0,75	11,6	124,1	194