LiYY 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 : 5D (D - diameter or height 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
- 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	Copper Weight kg/km	Cable Weight kg/km
1 x 2 x 0,14	3.9	2,7	19
2 x 2 x 0,14	5.2	5,4	26
3 x 2 x 0,14	5.5	8,1	36
4 x 2 x 0,14	5.9	10,8	48
5 x 2 x 0,14	6.4	13,4	54
1 x 2 x 0,25	4.4	4,8	26
2 x 2 x 0,25	6.0	9,6	37
3 x 2 x 0,25	6.3	14,4	52
4 x 2 x 0,25	6,9	19,2	72
5 x 2 x 0,25	7,5	24,0	84
1 x 2 x 0,34	4,7	6,5	31
2 x 2 x 0,34	5,7	13,1	45

LiYY paar

No. of Conductors and Nominal Cross-Section No x mm^2	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
3 x 2 x 0,34	6,7	19,6	66
4 x 2 x 0,34	7,7	26,1	88
5 x 2 x 0,34	8,4	32,6	95
1 x 2 x 0,50	5,4	9,6	42
2 x 2 x 0,50	7,7	19,2	66
3 x 2 x 0,50	8,2	28,8	91
4 x 2 x 0,50	8,9	38,4	127
5 x 2 x 0,50	9,8	48,0	139
1 x 2 x 0,75	5,9	14,4	52
2 x 2 x 0,75	8,6	28,8	82
3 x 2 x 0,75	9,1	43,2	114
4 x 2 x 0,75	10,0	57,6	160
5 x 2 x 0,75	10,9	72,0	174