LIYY PAAR LIHH PAAR

Cu/PVC/PVC twisted pair

TECHNICAL FEATURES

Operating temperature	-15 °C ÷ +70 °C (-40 °C fixed inst.)
Rated voltage	250 V
Testing voltage	2,0 kV
Current carrying capacity	Acc. DIN VDE, see technical sheet
Conductor material	Bare copper flexible
Conductor class	Class 5 DIN VDE 0812 resp IEC 60228
Core insulation	Thermoplastic material based PVC (quality TI2)
Stranding	Cores twisted in pairs: pairs twisted in layers
Core identification	DIN 47100
Outer sheath material	Thermoplastic material based PVC (quality TM2)
Colour outer sheath	Grey RAL 7001
Printing	To be defined
Max. temp. of short circuit	150 °C (max. 5 sec)
Min. bending radius	DIN VDE 0298 part 3
Other versions	LiHH PAAR Low Smoke Zero Halogen (LSOH)
Standards	IEC 60332-1, EN50265 -2-1, IEC 60332-3C, HD 405.3,
	IEC 70754-1, EN 50267-2-1, IEC 61034, EN 50268-2 LT > 60%

Section mm²	Nom. O.D. mm	Copper weight kg/km	Approx. Cable weight kg/km
2 x 2 x 0,14	4,8	5,4	25,5
3 x 2 x 0,14	4,9	8	32
4 x 2 x 0,14	5,5	10,7	38,5
5 x 2 x 0,14	5,7	13,4	45,5
6 x 2 x 0,14	6,2	16,1	51
10 x 2 x 0,14	8	26,9	77,5
12 x 2 x 0,14	8,2	32,3	94,5
14 x 2 x 0,14	8,6	37,6	105,5
16 x 2 x 0,14	9,1	43	110,5
18 x 2 x 0,14	9,6	48,4	119,5
25 x 2 x 0,14	11,8	67	180,5
30 x 2 x 0,14	12,2	81	199,5
50 x 2 x 0,14	15,8	134	387
2 x 2 x 0,25	6,1	9,6	38
3 x 2 x 0,25	6,2	14,4	48
4 x 2 x 0,25	6,9	19,2	59
6 x 2 x 0,25	7,8	28,8	80
8 x 2 x 0,25	9,2	38,4	98
10 x 2 x 0,25	10,3	48	115
2 x 2 x 0,50	7,9	19,2	72
3 x 2 x 0,50	8	28,8	83
4 x 2 x 0,50	8,7	38,4	115
8 x 2 x 0,50	12,2	76,8	206
10 x 2 x 0,50	13,2	96	247

APPLICATION

Data transmission cable, control and connecting cable mainly for transmission of analog and digital signals in process controlled facilities in measuremnt and control technology. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground

SPECIAL FEATURES

Free from laquer damaging substances and silicone (during production)
Recommended for EMC applications

REMARKS

Conform to RoHS
CE acc. to EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.
Customized versions on demand

The data and sketches of this technical leaflet are not binding and can be varied as a consequence of modifications and/or improvements deemed necessary by the manufacturer. Tollerances on weights and diameters ± 5%.