

LIYCY PAAR LIHCH PAAR

Cu/PVC/PVC twisted pair (overall screened)



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 > 1,00m2
Conductor class	Class 5 DIN VDE 0812 resp IEC 60228
Core insulation	Thermoplastic material based PVC (quality T12)
Stranding	Cores twisted in pairs: pairs twisted in layers
Core identification	DIN 47100
Separator	Polyester Tape
Screening	Tin copper braid coverage > 80%
Outer sheath material	Thermoplastic material based PVC (quality TM2)
Colour outer sheath	Grey
Printing	To be defined
Max. temp. of short circuit	150 °C (max. 5 sec)
Min. bending radius	DIN VDE 0298 part 3
Other versions	LIHCH 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%

APPLICATION

Data transmission cable, control and connecting cable mainly for transmission of analog and digital signals in process controlled facilities in measurement 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

Section	Nom. O.D.	Copper weight	Approx. Cable weight
mm ²	mm	kg/km	kg/km
2 x 2 x 0,14	4,3	24,6	37
3 x 2 x 0,14	4,7	28,5	43
4 x 2 x 0,14	5,6	33,5	55
5 x 2 x 0,14	5,9	40,5	64
6 x 2 x 0,14	6	48,5	67
7 x 2 x 0,14	6,4	51,4	76
8 x 2 x 0,14	7,5	53,7	84
10 x 2 x 0,14	8	59	110
12 x 2 x 0,14	8,3	69,5	120
16 x 2 x 0,14	10,1	79	170
20 x 2 x 0,14	10,5	97	200
25 x 2 x 0,14	11,7	113	250
30 x 2 x 0,14	13,4	140	270
2 x 2 x 0,25	5	30,3	45
3 x 2 x 0,25	5,6	39,6	58
4 x 2 x 0,25	6,5	44,9	73
5 x 2 x 0,25	7,3	48,7	85
6 x 2 x 0,25	7,5	61,2	100
7 x 2 x 0,25	8,1	67,5	115
8 x 2 x 0,25	9,1	82,5	126
10 x 2 x 0,25	10,3	102	160
12 x 2 x 0,25	10,6	120	190
16 x 2 x 0,25	12,4	146,5	235
18 x 2 x 0,25	13,4	170	260
20 x 2 x 0,25	14,3	192	285
25 x 2 x 0,25	15,5	239,3	330

Section	Nom. O.D.	Copper weight	Approx. Cable weight
mm ²	mm	kg/km	kg/km
2 x 2 x 0,34	6,7	36,9	68
3 x 2 x 0,34	7,3	49,2	82
4 x 2 x 0,34	8,4	55,2	104
5 x 2 x 0,34	9,6	66,5	130
6 x 2 x 0,34	10,6	74,2	150
7 x 2 x 0,34	10,8	79,5	160
8 x 2 x 0,34	11,4	88,4	180
10 x 2 x 0,34	13,2	118,5	230
12 x 2 x 0,34	13,6	123	270
16 x 2 x 0,34	14,8	165,2	320
2 x 2 x 0,50	7,3	48,1	80
3 x 2 x 0,50	8,4	73,7	108
4 x 2 x 0,50	9,4	82	130
5 x 2 x 0,50	10,2	101,5	175
6 x 2 x 0,50	12	110	190
7 x 2 x 0,50	12,2	130,4	195
8 x 2 x 0,50	13,4	147	237
10 x 2 x 0,50	14,8	186	280
2 x 2 x 0,75	8	64,6	98
3 x 2 x 0,75	8,9	84	135
4 x 2 x 0,75	10	108	167
5 x 2 x 0,75	11	126	210
6 x 2 x 0,75	11,6	146	255
7 x 2 x 0,75	12	176,4	285
8 x 2 x 0,75	13,6	180	330
10 x 2 x 0,75	15,2	228	395

Section	Nom. O.D.	Copper weight	Approx. Cable weight
mm ²	mm	kg/km	kg/km
2 x 2 x 1,0	10,3	84,0	142
3 x 2 x 1,0	10,4	96,0	173
4 x 2 x 1,0	11,1	121,0	212
5 x 2 x 1,0	12,2	161,0	266
8 x 2 x 1,0	15,4	240,0	400
10 x 2 x 1,0	16,6	282,0	510
12 x 2 x 1,0	18,2	324,0	590
2 x 2 x 1,5	12,4	112,0	165
3 x 2 x 1,5	13,0	140,0	218
4 x 2 x 1,5	13,3	176,0	265
5 x 2 x 1,5	15,5	212,0	310
8 x 2 x 1,5	18,8	322,0	642
10 x 2 x 1,5	20,2	380,0	870
12 x 2 x 1,5	22,2	442,0	939