**Construction**

Fine-stranded bare copper conductors, core insulation of PVC, cores are coloured and stranded in layers, colour-code according to DIN 47100, PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 70°C

For fixed installation - 20°C till + 70°C

Electrical properties at 20°C

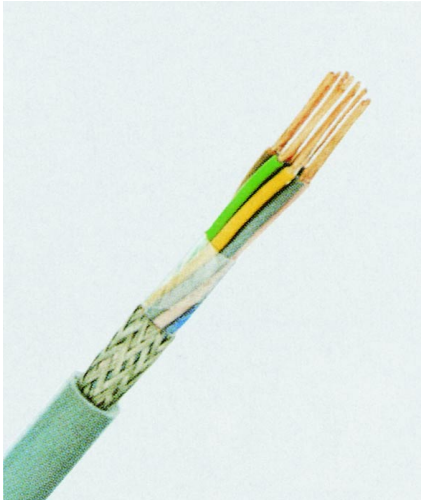
Insulation resistance min. 100 MOhm x km

Number of cores and nominal cross section	Price	Copper figure	Conductor construction (approx. value)	Conductor resistance max.	Overall diameter ca.	Weight ca.
mm ²	EUR / km	kg / km	mm	Ohm/km	mm	kg / km
LiYY 350 V						
2 x 0,14	238,30	2,8	18 x 0,10	138,0	3,3	12
3 x 0,14	328,10	4,2	18 x 0,10	138,0	3,5	17
4 x 0,14	380,80	5,6	18 x 0,10	138,0	3,7	19
5 x 0,14	464,50	7,0	18 x 0,10	138,0	4,0	22
6 x 0,14	531,00	8,4	18 x 0,10	138,0	4,3	25
7 x 0,14	558,20	9,8	18 x 0,10	138,0	4,5	27
8 x 0,14	729,20	11,2	18 x 0,10	138,0	4,7	30
10 x 0,14	857,50	14,0	18 x 0,10	138,0	5,4	35
12 x 0,14	985,60	16,8	18 x 0,10	138,0	5,6	43
14 x 0,14	1.115,90	19,6	18 x 0,10	138,0	5,9	48
16 x 0,14	1.227,60	22,4	18 x 0,10	138,0	6,2	52
18 x 0,14	1.341,70	25,2	18 x 0,10	138,0	6,9	65
21 x 0,14	1.590,70	29,4	18 x 0,10	138,0	7,6	77
24 x 0,14	1.789,70	33,6	18 x 0,10	138,0	8,3	89
27 x 0,14	1.999,30	37,8	18 x 0,10	138,0	8,5	97
30 x 0,14	2.164,80	42,0	18 x 0,10	138,0	8,8	106
32 x 0,14	2.262,60	44,8	18 x 0,10	138,0	9,1	112
36 x 0,14	2.518,40	50,4	18 x 0,10	138,0	9,3	127
2 x 0,25	342,40	5,0	14 x 0,16	75,5	4,5	25
3 x 0,25	403,30	7,5	14 x 0,16	75,5	4,8	29
4 x 0,25	503,00	10,0	14 x 0,16	75,5	5,1	31
5 x 0,25	564,10	12,5	14 x 0,16	75,5	5,5	38
6 x 0,25	586,10	15,0	14 x 0,16	75,5	5,8	42
7 x 0,25	686,30	17,5	14 x 0,16	75,5	6,0	48
8 x 0,25	926,90	20,0	14 x 0,16	75,5	6,2	54
10 x 0,25	1.148,60	25,0	14 x 0,16	75,5	7,2	65
12 x 0,25	1.370,20	30,0	14 x 0,16	75,5	7,5	75
14 x 0,25	1.518,80	35,0	14 x 0,16	75,5	8,0	84
16 x 0,25	1.631,50	40,0	14 x 0,16	75,5	8,4	95
18 x 0,25	1.773,80	45,0	14 x 0,16	75,5	8,8	101
20 x 0,25	2.025,90	50,0	14 x 0,16	75,5	9,3	127
24 x 0,25	2.467,70	60,0	14 x 0,16	75,5	9,5	140
30 x 0,25	2.853,20	75,0	14 x 0,16	75,5	10,2	172
36 x 0,25	3.349,10	90,0	14 x 0,16	75,5	10,8	190

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Conductor construction (approx. value) mm	Conductor resistance max. Ohm/km	Overall diameter ca. mm	Weight ca. kg / km
LiYY 350 V						
2 x 0,34	356,70	6,8	19 x 0,16	57,5	4,8	28
3 x 0,34	450,20	10,2	19 x 0,16	57,5	5,0	30
4 x 0,34	545,30	13,6	19 x 0,16	57,5	5,3	40
5 x 0,34	675,70	17,0	19 x 0,16	57,5	5,3	44
6 x 0,34	717,10	20,4	19 x 0,16	57,5	5,8	52
7 x 0,34	828,90	23,8	19 x 0,16	57,5	6,2	60
8 x 0,34	1.069,30	27,2	19 x 0,16	57,5	6,5	66
10 x 0,34	1.349,90	34,0	19 x 0,16	57,5	7,8	77
12 x 0,34	1.497,10	40,8	19 x 0,16	57,5	8,0	88
14 x 0,34	1.681,80	47,6	19 x 0,16	57,5	8,5	100
16 x 0,34	1.822,80	54,4	19 x 0,16	57,5	8,7	114
18 x 0,34	2.099,70	61,2	19 x 0,16	57,5	9,5	135
21 x 0,34	2.533,30	71,4	19 x 0,16	57,5	10,3	151
24 x 0,34	2.736,90	81,6	19 x 0,16	57,5	11,3	171
30 x 0,34	3.333,70	102,0	19 x 0,16	57,5	12,0	224
32 x 0,34	3.559,00	108,8	19 x 0,16	57,5	12,4	239
36 x 0,34	3.672,70	122,4	19 x 0,16	57,5	12,9	265
2 x 0,5	394,30	10,0	16 x 0,21	37,8	4,8	23
3 x 0,5	506,60	15,0	16 x 0,21	37,8	5,2	31
4 x 0,5	655,30	20,0	16 x 0,21	37,8	6,0	39
5 x 0,5	918,70	25,0	16 x 0,21	37,8	6,2	43
6 x 0,5	969,00	30,0	16 x 0,21	37,8	6,3	47
7 x 0,5	1.014,20	35,0	16 x 0,21	37,8	6,5	70
8 x 0,5	1.279,10	40,0	16 x 0,21	37,8	7,5	78
10 x 0,5	1.543,70	50,0	16 x 0,21	37,8	8,1	92
12 x 0,5	1.669,70	60,0	16 x 0,21	37,8	9,0	122
16 x 0,5	2.148,70	80,0	16 x 0,21	37,8	10,0	146
18 x 0,5	2.396,80	90,0	16 x 0,21	37,8	10,2	159
21 x 0,5	3.085,40	105,0	16 x 0,21	37,8	10,5	180
24 x 0,5	3.292,90	120,0	16 x 0,21	37,8	12,5	221
30 x 0,5	3.893,30	150,0	16 x 0,21	37,8	13,5	267
36 x 0,5	4.544,90	180,0	16 x 0,21	37,8	14,5	315
2 x 0,75	490,20	15,0	24 x 0,21	25,3	5,6	54
3 x 0,75	626,30	22,5	24 x 0,21	25,3	6,0	66
4 x 0,75	817,10	30,0	24 x 0,21	25,3	6,9	78
5 x 0,75	1.025,70	37,5	24 x 0,21	25,3	7,5	100
7 x 0,75	1.379,40	52,5	24 x 0,21	25,3	8,2	120
8 x 0,75	2.080,90	60,0	24 x 0,21	25,3	9,0	138
12 x 0,75	2.514,60	90,0	24 x 0,21	25,3	11,1	192

**Electronic Control Cable
with Tinned Copper Braiding**

adapted to DIN VDE 0812



Construction

Fine-stranded bare conductors, core insulation of PVC, cores are coloured and stranded in layers, colour-code according to DIN 47100, one layer of plastic foil, braid of tinned copper wires (with an optical coverage of ca. 80 %), PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 70°C
For fixed installation - 20°C till + 70°C

Electrical properties at 20°C

Insulation resistance min. 100 MOhm x km

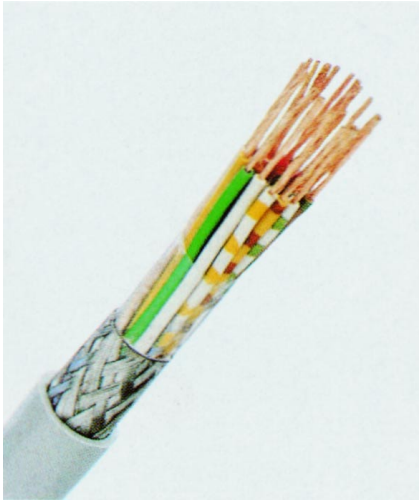
Number of cores and nominal cross section	Price	Copper figure	Conductor construction (approx. value)	Conductor resistance max.	Overall diameter ca.	Weight ca.
mm ²	EUR / km	kg / km	mm	Ohm/km	mm	kg / km
LiYCY 350 V						
2 x 0,14	611,75	13	18 x 0,10	138,0	3,9	20
3 x 0,14	745,09	15	18 x 0,10	138,0	4,1	24
4 x 0,14	813,99	17	18 x 0,10	138,0	4,3	28
5 x 0,14	980,14	20	18 x 0,10	138,0	4,7	34
6 x 0,14	1.089,23	23	18 x 0,10	138,0	5,2	40
7 x 0,14	1.103,11	25	18 x 0,10	138,0	5,2	41
8 x 0,14	1.247,16	26	18 x 0,10	138,0	5,9	52
10 x 0,14	1.602,86	30	18 x 0,10	138,0	6,5	57
12 x 0,14	1.727,80	33	18 x 0,10	138,0	6,9	72
14 x 0,14	1.996,70	36	18 x 0,10	138,0	7,1	78
16 x 0,14	2.219,93	42	18 x 0,10	138,0	7,5	87
18 x 0,14	2.272,12	54	18 x 0,10	138,0	7,8	98
20 x 0,14	2.538,02	61	18 x 0,10	138,0	8,1	105
21 x 0,14	2.683,30	63	18 x 0,10	138,0	8,9	118
24 x 0,14	2.861,76	77	18 x 0,10	138,0	9,3	125
25 x 0,14	2.967,59	79	18 x 0,10	138,0	9,5	129
27 x 0,14	3.168,80	88	18 x 0,10	138,0	9,5	134
30 x 0,14	3.455,80	102	18 x 0,10	138,0	9,7	143
32 x 0,14	3.466,32	110	18 x 0,10	138,0	10,1	151
36 x 0,14	3.732,99	121	18 x 0,10	138,0	10,4	169
40 x 0,14	4.110,63	131	18 x 0,10	138,0	11,1	185
44 x 0,14	5.348,40	144	18 x 0,10	138,0	11,5	196
50 x 0,14	4.982,89	157	18 x 0,10	138,0	11,9	213
52 x 0,14	6.320,90	162	18 x 0,10	138,0	11,9	218
1 x 0,25	709,30	12	14 x 0,16	75,5	4,0	21
2 x 0,25	678,34	15	14 x 0,16	75,5	4,2	25
3 x 0,25	760,26	18	14 x 0,16	75,5	4,4	29
4 x 0,25	891,54	22	14 x 0,16	75,5	4,7	36
5 x 0,25	1.085,11	26	14 x 0,16	75,5	5,3	44
6 x 0,25	1.260,95	30	14 x 0,16	75,5	5,7	52
7 x 0,25	1.311,77	35	14 x 0,16	75,5	5,7	53

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Conductor construction (approx. value) mm	Conductor resistance max. Ohm/km	Overall diameter ca. mm	Weight ca. kg / km
LiYCY 350 V						
8 x 0,25	1.740,31	36	14 x 0,16	75,5	6,8	77
10 x 0,25	1.865,51	44	14 x 0,16	75,5	7,3	84
12 x 0,25	2.187,54	50	14 x 0,16	75,5	7,5	92
14 x 0,25	2.617,03	67	14 x 0,16	75,5	7,8	104
16 x 0,25	2.781,55	74	14 x 0,16	75,5	8,6	123
18 x 0,25	2.991,50	81	14 x 0,16	75,5	9,0	133
21 x 0,25	3.491,60	90	14 x 0,16	75,5	9,7	153
24 x 0,25	3.714,10	119	14 x 0,16	75,5	10,2	168
27 x 0,25	4.292,10	126	14 x 0,16	75,5	10,4	180
32 x 0,25	4.747,32	144	14 x 0,16	75,5	11,1	205
36 x 0,25	5.306,70	158	14 x 0,16	75,5	11,5	225
40 x 0,25	6.007,59	170	14 x 0,16	75,5	12,6	259
50 x 0,25	7.458,18	206	14 x 0,16	75,5	13,6	305
2 x 0,34	727,18	18	19 x 0,16	57,5	5,0	34
3 x 0,34	813,21	22	19 x 0,16	57,5	5,2	40
4 x 0,34	1.013,99	26	19 x 0,16	57,5	5,6	49
5 x 0,34	1.209,37	32	19 x 0,16	57,5	6,3	61
7 x 0,34	1.489,41	40	19 x 0,16	57,5	7,0	81
8 x 0,34	1.752,14	45	19 x 0,16	57,5	7,9	103
10 x 0,34	1.947,00	66	19 x 0,16	57,5	8,9	118
12 x 0,34	2.385,32	72	19 x 0,16	57,5	9,1	131
16 x 0,34	2.809,23	91	19 x 0,16	57,5	10,0	161
18 x 0,34	3.191,60	112	19 x 0,16	57,5	10,5	181
24 x 0,34	4.407,40	145	19 x 0,16	57,5	12,0	223
1 x 0,5	857,60	14	16 x 0,21	37,8	3,3	20
2 x 0,5	1.178,35	24	16 x 0,21	37,8	5,3	39
3 x 0,5	1.292,92	32	16 x 0,21	37,8	5,6	49
4 x 0,5	1.464,73	37	16 x 0,21	37,8	6,2	60
5 x 0,5	1.636,37	55	16 x 0,21	37,8	6,9	81
6 x 0,5	1.756,42	63	16 x 0,21	37,8	7,4	94
7 x 0,5	2.095,25	68	16 x 0,21	37,8	7,4	98
8 x 0,5	2.336,04	80	16 x 0,21	37,8	8,8	130
10 x 0,5	2.797,15	93	16 x 0,21	37,8	9,5	141
12 x 0,5	3.061,25	103	16 x 0,21	37,8	9,8	157
14 x 0,5	3.624,50	120	16 x 0,21	37,8	10,0	169
16 x 0,5	3.634,36	133	16 x 0,21	37,8	10,7	200
18 x 0,5	4.208,40	147	16 x 0,21	37,8	11,2	221
20 x 0,5	4.331,97	165	16 x 0,21	37,8	11,2	234
24 x 0,5	4.750,49	181	16 x 0,21	37,8	13,3	284
1 x 0,75	1.048,50	17	24 x 0,21	25,3	3,5	24
2 x 0,75	1.248,79	32	24 x 0,21	25,3	5,9	49
3 x 0,75	1.454,53	40	24 x 0,21	25,3	6,4	63
4 x 0,75	1.633,54	60	24 x 0,21	25,3	7,1	85
5 x 0,75	1.826,95	72	24 x 0,21	25,3	7,7	102
7 x 0,75	2.315,13	92	24 x 0,21	25,3	8,7	134
8 x 0,75	2.662,44	104	24 x 0,21	25,3	9,2	150
1 x 1	939,60	19	32 x 0,21	19,5	3,9	29
2 x 1	1.295,74	50	32 x 0,21	19,5	6,3	58
3 x 1	1.562,16	60	32 x 0,21	19,5	6,8	81
4 x 1	1.828,49	74	32 x 0,21	19,5	7,2	98
5 x 1	2.094,99	89	32 x 0,21	19,5	8,0	120
2 x 1,5	1.592,84	57	29 x 0,25	13,3	7,1	80
3 x 1,5	1.842,12	74	29 x 0,25	13,3	7,5	102
4 x 1,5	2.236,98	92	29 x 0,25	13,3	8,2	128
5 x 1,5	2.616,25	111	29 x 0,25	13,3	9,2	162

LiYCY paired

Paired Electronic Control Cable with Tinned Copper Braiding

adapted to DIN VDE 0812



Construction

Fine-stranded bare conductors, core insulation of PVC, cores are coloured and stranded to pairs and the pairs are stranded in layers, colour-coding according to DIN 47100, one layer of plastic foil, braid of tinned copper wires (with an optical coverage of ca. 80 %), PVC outer sheath, grey.

Application

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

Temperature range

In motion - 5°C till + 70°C

For fixed installation - 20°C till + 70°C

Electrical properties at 20°C

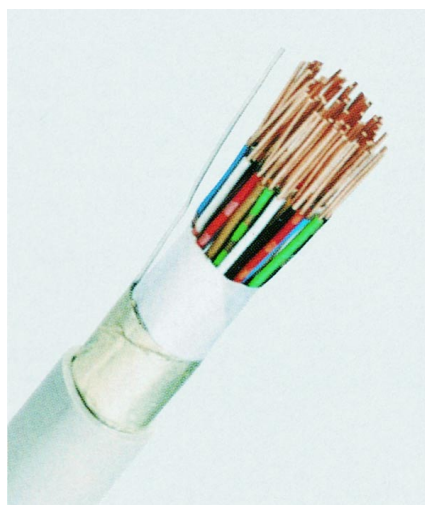
Insulation resistance	min.	100 MOhm x km
Capacity	max.	120 nF / km
Attenuation at 800 Hz	ca.	2,3 dB / km (0,14 mm ²)
	ca.	1,9 dB / km (0,25 mm ²)
	ca.	1,5 dB / km (0,34 mm ²)
	ca.	1,3 dB / km (0,50 mm ²)
	ca.	1,1 dB / km (0,75 mm ²)

Number of pairs and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Conductor construction (approx. value) mm	Conductor loop resistance Ohm/km	Overall diameter ca. mm	Weight ca. kg / km
LiYCY paired 350 V						
2 x 2 x 0,14	1.122,90	24	18 x 0,10	276,0	5,0	44
3 x 2 x 0,14	1.267,04	27	18 x 0,10	276,0	5,6	53
4 x 2 x 0,14	1.546,31	41	18 x 0,10	276,0	6,1	60
5 x 2 x 0,14	1.784,87	46	18 x 0,10	276,0	6,5	80
6 x 2 x 0,14	1.984,79	54	18 x 0,10	276,0	7,2	85
7 x 2 x 0,14	2.025,32	57	18 x 0,10	276,0	7,8	92
8 x 2 x 0,14	2.244,52	59	18 x 0,10	276,0	8,3	115
10 x 2 x 0,14	2.768,44	68	18 x 0,10	276,0	9,0	130
12 x 2 x 0,14	3.131,26	82	18 x 0,10	276,0	9,4	160
14 x 2 x 0,14	3.696,90	88	18 x 0,10	276,0	10,0	180
16 x 2 x 0,14	4.018,09	97	18 x 0,10	276,0	10,6	220
2 x 2 x 0,25	1.293,95	28	14 x 0,16	151,0	6,8	55
3 x 2 x 0,25	1.587,61	44	14 x 0,16	151,0	6,9	68
4 x 2 x 0,25	1.827,55	57	14 x 0,16	151,0	7,5	77
5 x 2 x 0,25	2.570,24	63	14 x 0,16	151,0	7,9	80
6 x 2 x 0,25	2.735,97	68	14 x 0,16	151,0	8,6	100
8 x 2 x 0,25	3.253,54	86	14 x 0,16	151,0	9,3	118
10 x 2 x 0,25	3.725,02	115	14 x 0,16	151,0	11,4	165
2 x 2 x 0,34	1.528,65	45	19 x 0,16	115,0	6,6	52
3 x 2 x 0,34	1.807,24	54	19 x 0,16	115,0	7,2	73
4 x 2 x 0,34	2.085,74	67	19 x 0,16	115,0	8,0	90
2 x 2 x 0,5	1.555,90	52	16 x 0,21	75,6	8,0	87
3 x 2 x 0,5	1.845,03	67	16 x 0,21	75,6	9,0	109
4 x 2 x 0,5	2.195,94	83	16 x 0,21	75,6	10,1	139
5 x 2 x 0,5	2.600,40	100	16 x 0,21	75,6	11,3	164
6 x 2 x 0,5	3.008,89	112	16 x 0,21	75,6	12,1	197
8 x 2 x 0,5	4.841,24	132	16 x 0,21	75,6	13,2	207
12 x 2 x 0,5	6.265,35	196	16 x 0,21	75,6	15,1	306
2 x 2 x 0,75	2.337,76	68	24 x 0,21	50,6	8,6	106
3 x 2 x 0,75	2.756,87	85	24 x 0,21	50,6	9,5	140
4 x 2 x 0,75	3.286,36	124	24 x 0,21	50,6	10,8	179
6 x 2 x 0,75	4.343,80	145	24 x 0,21	50,6	12,5	246

JE-Y(ST)Y ... Bd

Cable for Industrial Electronics

according to DIN VDE 0815



Construction

Solid bare copper conductors (diameter 0.8 mm), core insulation of PVC, cores are stranded to pairs, four pairs are stranded to bundles, the bundles are marked by a numbered helix (Z) or by coloured rings on the insulation sheaths of the cores (Si), one layer of plastic foil, static screen of plastic coated aluminium foil with drain wire, PVC outer sheath, grey.

Application

Cables for industrial electronics are suitable for fixed installations in dry and humid rooms.

Temperature range

In motion - 5°C till + 50°C

For fixed installation - 30°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	73,2 Ohm / km
Insulation resistance	min.	100 MOhm x km
Operating capacity	max.	100 nF / km
Capacitance coupling for 100 m	max.	200 pF

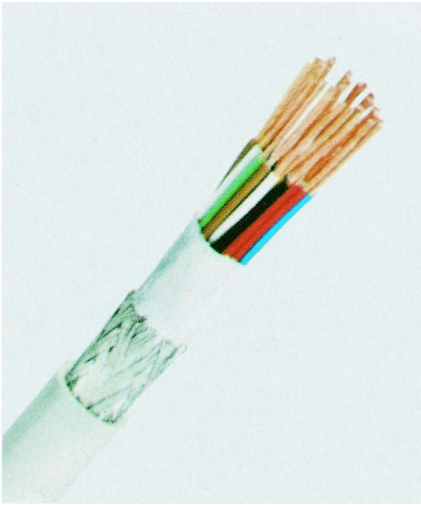
Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
JE-Y(ST)Y ... Bd 225 V					
2 x 2 x 0,8 *	743,31	25	1,0	6,0	60
4 x 2 x 0,8	1.296,90	45	1,0	8,5	95
8 x 2 x 0,8	2.140,84	85	1,0	11,0	160
12 x 2 x 0,8	2.912,84	126	1,0	13,0	235
16 x 2 x 0,8	3.636,90	166	1,2	14,5	295
20 x 2 x 0,8	4.356,11	206	1,2	16,0	355
24 x 2 x 0,8	5.177,46	246	1,2	18,0	430
32 x 2 x 0,8	7.075,06	327	1,4	20,0	555
40 x 2 x 0,8	7.956,90	407	1,4	22,0	670
80 x 2 x 0,8	14.883,87	809	1,6	30,0	1290

* star quad twisting

JE-LiYCY ... Bd

Cable for Industrial Electronics

according to DIN VDE 0815



Construction

Stranded bare copper conductors with 0.5 mm² (diameter 7 x 0.30 mm), core insulation of PVC, cores are stranded to pairs, four pairs are stranded to bundles, the bundles are marked by a numbered helix (Z) or by coloured rings on the insulation sheaths of the cores (Si), one layer of plastic foil, braid of tinned copper wires (with an optical coverage of ca. 80 %), PVC outer sheath, grey.

Application

Cables for industrial electronics are suitable for fixed installations in dry and humid rooms.

Temperature range

In motion - 5°C till + 50°C
For fixed installation - 30°C till + 70°C

Electrical properties at 20°C

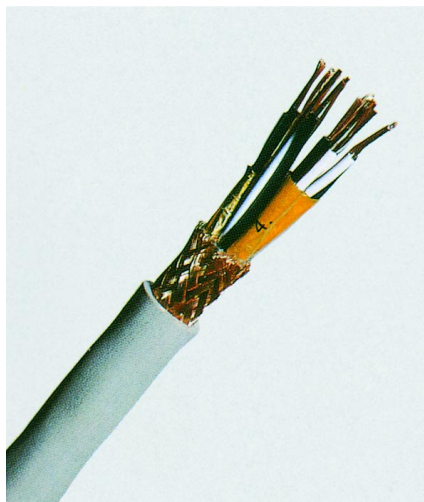
Conductor loop resistance	max.	78,4 Ohm / km
Insulation resistance	min.	100 MOhm x km
Operating capacity	max.	100 nF / km
Capacitance coupling for 100 m	max.	200 pF

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
JE-LiYCY ... Bd 225 V					
2 x 2 x 0,5 *	2.206,97	51	1,0	7,0	85
4 x 2 x 0,5	3.312,83	87	1,0	9,5	145
8 x 2 x 0,5	5.165,36	144	1,0	12,0	225
12 x 2 x 0,5	6.592,38	196	1,2	14,5	315
16 x 2 x 0,5	7.788,83	249	1,2	16,0	385
20 x 2 x 0,5	9.168,36	299	1,2	17,5	460
24 x 2 x 0,5	10.381,04	348	1,2	19,5	550
32 x 2 x 0,5	12.756,18	444	1,4	21,5	680
40 x 2 x 0,5	17.507,98	537	1,4	24,0	845

* star quad twisting

RS-2YCY ... PiMF

Pairwise Screened Data Transmission Cable with Overall Bare Copper Braiding



Construction

Stranded bare copper conductors with 0.5 mm² (diameter 7 x 0.30 mm), core insulation of polyethylene (PE), core colours are white and black in each pair, cores are stranded to pairs, each pair is screened with a static screen of plastic coated aluminium foil with drain wire, the pairs are stranded in concentric layers, one layer of plastic foil, overall braid of bare copper wires, PVC outer sheath, grey. For installation in earth with a reinforced PVC outer sheath, black.

Application

These transmission cables are to be installed in dry and humid rooms. They are used in data processing and process controlling for high-speed transmission.

Temperature range

In motion - 5°C till + 50°C
For fixed installation - 20°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	78,4 Ohm / km
Insulation resistance	min.	10,0 GOhm x km
Operating capacity at 800 Hz	max.	65,0 nF / km
near-end crosstalk attenuation at 60 Hz	min.	78 dB / 500 m
Impedance at	1 KHz	465 Ohm
	10 KHz	155 Ohm
	100 KHz	115 Ohm
Attenuation at	1 KHz	0,9 dB / km
	10 KHz	2,4 dB / km
	100 KHz	4,5 dB / km

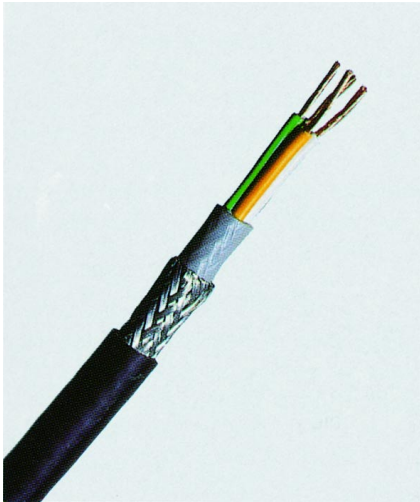
Number of pairs and nominal cross section	Price	Copper figure	Overall diameter	Weight
mm ²	EUR / km	ca. kg / km	ca. mm	kg / km

RS-2YCY ... PiMF 350 V

2 x 2 x 0,5	2.640,00	77	7,6	100
3 x 2 x 0,5	3.239,10	92	8,8	120
4 x 2 x 0,5	3.655,10	112	9,5	145
6 x 2 x 0,5	5.253,90	154	11,6	210
8 x 2 x 0,5	6.468,40	188	12,4	270
10 x 2 x 0,5	8.215,20	246	14,5	330
12 x 2 x 0,5	9.679,00	294	15,8	375
16 x 2 x 0,5	12.606,70	352	18,2	420
20 x 2 x 0,5	15.142,60	412	20,4	510
24 x 2 x 0,5	18.148,80	490	21,0	690

YMLCM

Plastic Insulated Low-Frequency Cable with Copper Braiding



Construction

Fine-stranded bare conductors, core insulation of PVC, core colours are brown, white, green and yellow, cores are stranded, inner sheath of PVC, braid of bare copper wires, PVC outer sheath, black.

Application

To be installed in dry and humid rooms as termination and connection cable in the low-frequency and studio technology.

Temperature range

In motion - 5°C till + 70°C

For fixed installation - 20°C till + 70°C

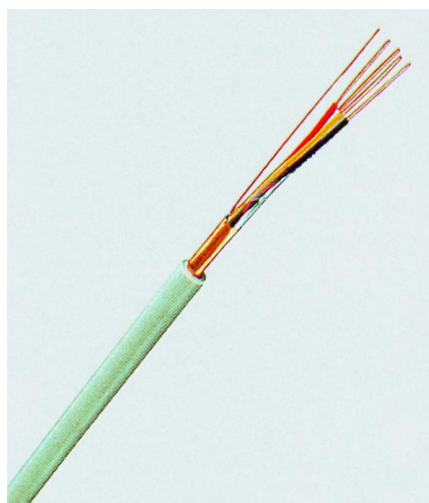
Electrical properties at 20°C

		0,5 mm ²	0,75 mm ²
Conductor resistance	max.	39 Ohm / km	26 Ohm / km
Capacity	ca.	120 pF / km	130 pF / km

Number of pairs and nominal conductor cross section mm ²	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
YMLCM 350 V				
2 x 0,5	1.071,20	20	6,5	45
2 x 0,75	1.380,20	30	6,9	70
3 x 0,75	1.565,60	50	7,4	90
4 x 0,75	1.725,25	60	7,9	110
5 x 0,75	1.915,80	72	8,9	125

J-Y(St)Y EIB

MSR Installation Cable with Static Screen



Construction

Solid bare copper conductors (diameter 0.8 mm), core insulation of PVC, core colours of circuit 1: a-core red, b-core black; of circuit 2: a-core white, b-core yellow, a and b core of the same circuit are opposite, cores are stranded to form a star quad (min. 5 twists/m), one layer of plastic foil, static screen of plastic coated aluminium foil with drain wire, PVC outer sheath, light grey (RAL 7035) or green.

Application

The installation in, on and under the wall surface, in dry, humid and wet locations as well as outdoors (if protected) is admissible. As BUS-installation cable (EIB-installation bus) it may be used in HV and LV installations, as control and instrumentation cable (MSR-cable) in HV installations. The screened installation cable is suitable for the transmission of measuring data, for the installation in the processing and for the application in the field of the control technology.

Temperature range

In motion - 5°C till + 70°C
 For fixed installation - 30°C till + 70°C
 Max. 70°C on the conductor

Properties at 20°C

ISDN

Conductor resistance		max.	130 Ohm / km
Insulation resistance		min.	100 MOhm x km
Operating capacity at 800 Hz		max.	100 nF / km
Capacitance coupling for 100 m		max.	300 pF
Wave resistance Z	0,01 - 0,1 MHz		110 ± 15 Ohm
	0,1 - 1,0 MHz		85 ± 10 Ohm
	1,0 - 5,0 MHz		75 ± 3 Ohm
Wave attenuation α	0,01 - 0,1 MHz	max.	12 dB / km
	0,1 - 1,0 MHz	max.	50 dB / km
	1,0 - 5,0 MHz	max.	95 dB / km
	5,0 - 16,0 MHz	max.	150 dB / km
Near-end crosstalk attenuation at	0,01 - 0,1 MHz	min.	75 dB
	0,1 - 1,0MHz	min.	65 dB
	1,0 - 5,0MHz	min.	60 dB
	5,0 - 16,0MHz	min.	55 dB
Test voltage	core/core		1 KV, 5 min.
	core and screen to the surface of the sheath		4 KV, 1 min.

Number of pairs and nominal conductor cross section mm ²	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
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J-Y(St)Y EIB 250/250 V_{eff}

2 x 2 x 0,8	743,41	21	6,1	54
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