LiYCY Data Cable

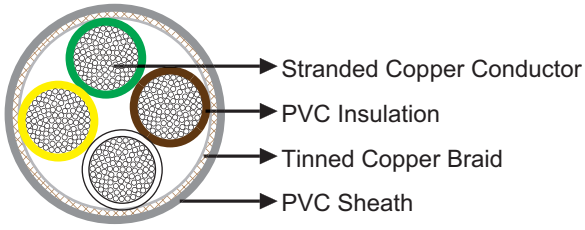
» Application

These screened cables are designed for special purpose of data transmission in wind turbines, suitable for in dry, moist and wet rooms.

» Standards

DIN VDE 0245, 0812

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/IEC60228.
Insulation: PVC type TI2.
Drain Wire: Tinned copper conductor.
Screen: Tinned copper wire braid.
Sheath: PVC type TM2.

» Technical Data

Rated Voltage Uo/U (Um)	350V (<0.25 mm²); 500V (≥0.25 mm²)
Operating Temperatures	flexing: -5℃~+80℃; fixed: -40℃~+80℃
Minimum Bending Radius	flexing: 10×OD; fixed: 5×OD
Flame Retardant	VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1
Oil Resistant	Yes
Silicone Free	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
1×0.14	2.5	16
2×0.14	3.7	20
3×0.14	3.9	27
4×0.14	4.1	32
5×0.14	4.4	37
6×0.14	4.9	42
7×0.14	4.9	48
8×0.14	5.2	55
10×0.14	6.2	65
12×0.14	6.2	77
14×0.14	6.6	79
16×0.14	6.9	89
18×0.14	7.2	103
20×0.14	7.7	116
21×0.14	7.9	120
24×0.14	8.3	131
25×0.14	8.5	136
27×0.14	8.5	142
30×0.14	9.3	157
32×0.14	9.6	163
36×0.14	9.9	182
40×0.14	10.2	209
42×0.14	10.5	217
44×0.14	11.2	226
48×0.14	11.3	240
52×0.14	11.8	270
56×0.14	12.1	320
61×0.14	12.4	370
80×0.14	14.1	510
100×0.14	15.5	580
1×0.25	2.9	27
2×0.25	4.2	31
3×0.25	4.3	36
4×0.25	4.7	40
5×0.25	5.3	51
6×0.25	5.7	58
7×0.25	5.7	64
8×0.25	6.6	82
10×0.25	7.2	85
12×0.25	7.3	90
14×0.25	7.9	110
16×0.25	8.3	142

Data Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
18×0.25	8.9	144
19×0.25	9.1	146
20×0.25	9.4	150
21×0.25	9.4	152
24×0.25	10.0	163
25×0.25	10.1	169
27×0.25	10.1	176
30×0.25	11.1	189
32×0.25	11.1	204
36×0.25	11.9	219
37×0.25	11.9	230
40×0.25	12.4	247
42×0.25	12.8	269
44×0.25	12.8	292
48×0.25	13.5	317
52×0.25	14.1	330
56×0.25	14.5	343
61×0.25	14.9	365
80×0.25	17.1	480
100×0.25	19.6	605
1×0.34	3.2	24
2×0.34	4.8	30
3×0.34	5.2	37
4×0.34	5.5	48
5×0.34	6.0	54
6×0.34	6.7	61
7×0.34	6.7	67
8×0.34	7.8	81
10×0.34	8.4	103
12×0.34	8.5	110
14×0.34	9.0	153
16×0.34	9.4	159
18×0.34	9.8	172
19×0.34	9.9	181
20×0.34	10.1	191
21×0.34	10.7	199
24×0.34	10.7	229
25×0.34	12.0	241
27×0.34	12.1	258
30×0.34	12.1	290
32×0.34	12.6	305
36×0.34	12.6	330
37×0.34	13.7	348
40×0.34	13.7	364
42×0.34	14.6	389
44×0.34	14.6	414

Data Cable

Construction No. of cores×mm²	Nominal Overall Diameter mm	Nominal Weight kg/km
48×0.34	14.6	420
52×0.34	14.6	450
56×0.34	16.2	480
61×0.34	16.6	520
80×0.34	17.1	580
100×0.34	19.4	694
1×0.5	3.4	40
2×0.5	5.3	45
3×0.5	5.6	55
4×0.5	6.0	61
5×0.5	6.7	76
6×0.5	7.3	89
7×0.5	7.3	98
8×0.5	8.5	117
10×0.5	9.2	135
12×0.5	9.5	157
14×0.5	10.0	190
16×0.5	10.6	210
18×0.5	10.7	217
19×0.5	11.2	246
20×0.5	11.9	275
24×0.5	12.6	337
25×0.5	12.7	351
27×0.5	12.7	373
30×0.5	14.0	396
32×0.5	14.5	431
34×0.5	15.3	440
36×0.5	15.3	445
37×0.5	16.3	458
40×0.5	16.3	470
50×0.5	18.0	570
61×0.5	19.1	650
80×0.5	21.8	780
100×0.5	24.3	990
1×0.75	3.8	41
2×0.75	6.0	59
3×0.75	6.2	66
4×0.75	6.7	77
5×0.75	7.3	93
6×0.75	8.1	113
7×0.75	8.2	130
8×0.75	9.0	145
10×0.75	10.3	180
12×0.75	10.4	202
14×0.75	11.2	225
16×0.75	11.8	275

Data Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
18×0.75	12.6	292
19×0.75	12.6	322
20×0.75	13.1	362
24×0.75	14.1	415
25×0.75	14.3	435
27×0.75	14.3	467
30×0.75	15.7	486
32×0.75	16.3	530
34×0.75	17.1	570
36×0.75	17.1	600
37×0.75	17.6	640
40×0.75	17.8	680
42×0.75	18.4	714
61×0.75	21.5	900
80×0.75	24.5	1200
100×0.75	27.2	1440
2×1	6.4	65
3×1	6.7	80
4×1	7.2	98
5×1	8.0	127
6×1	8.6	144
7×1	8.6	158
8×1	10.0	197
10×1	11.2	232
12×1	11.4	260
14×1	12.0	302
16×1	12.8	346
19×1	13.4	412
24×1	15.2	493
27×1	15.4	562
37×1	18.9	790
2×1.5	7.3	88
3×1.5	7.6	100
4×1.5	8.2	126
5×1.5	9.1	160
6×1.5	9.9	192
7×1.5	9.9	208
8×1.5	10.8	244
10×1.5	13.2	315
12×1.5	13.2	338
14×1.5	13.9	383
16×1.5	14.8	424
19×1.5	15.6	506
24×1.5	17.6	690
27×1.5	17.9	781
37×1.5	21.9	941