



LiYCY Twisted Pair Data Cable

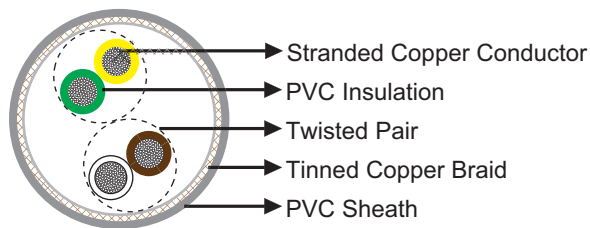
» Application

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 0812, 0814

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/IEC60228..

Insulation: PVC Type YI2.

Cable Element: Twisted pairs.

Screen: Tinned copper wire braid.

Sheath: PVC Type YM2.

» Technical Data

Rated Voltage Uo/U (Um)	350V
Operating Temperatures	flexing: -5°C~+80°C; fixed: -30°C~+80°C
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



Data Cable

» Dimensions and Weight

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
1×2×0.14	3.5	34
2×2×0.14	5.6	40
3×2×0.14	5.6	49
4×2×0.14	6.0	55
5×2×0.14	6.7	66
6×2×0.14	7.2	86
7×2×0.14	7.2	91
8×2×0.14	8.4	97
10×2×0.14	9.1	109
12×2×0.14	9.2	141
14×2×0.14	9.9	148
15×2×0.14	10.4	152
16×2×0.14	10.4	155
18×2×0.14	11.0	171
20×2×0.14	11.5	183
22×2×0.14	12.3	205
24×2×0.14	12.3	228
25×2×0.14	12.5	239
26×2×0.14	12.5	245
27×2×0.14	12.5	251
28×2×0.14	13.7	258
30×2×0.14	13.7	270
32×2×0.14	14.2	284
34×2×0.14	14.7	300
36×2×0.14	14.9	316
38×2×0.14	15.6	350
40×2×0.14	16.1	370
44×2×0.14	16.8	390
46×2×0.14	17.0	430
50×2×0.14	17.7	440
52×2×0.14	17.7	460
55×2×0.14	18.2	480
1×2×0.25	4.1	45
2×2×0.25	6.3	53
3×2×0.25	6.6	65
4×2×0.25	7.0	80
5×2×0.25	7.8	98
6×2×0.25	8.6	114
7×2×0.25	8.6	121



Caledonian Windmill Cables

Data Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
8×2×0.25	9.8	129
10×2×0.25	11.0	157
12×2×0.25	11.2	189
14×2×0.25	12.2	213
15×2×0.25	12.8	225
16×2×0.25	12.8	237
18×2×0.25	13.5	248
20×2×0.25	14.1	275
22×2×0.25	14.9	303
24×2×0.25	15.3	330
25×2×0.25	15.5	343
26×2×0.25	15.5	345
27×2×0.25	15.5	350
28×2×0.25	17.0	360
30×2×0.25	17.0	375
32×2×0.25	17.6	400
34×2×0.25	18.2	410
36×2×0.25	18.2	420
38×2×0.25	19.0	450
40×2×0.25	19.7	485
44×2×0.25	20.5	500
46×2×0.25	20.7	540
50×2×0.25	21.5	550
52×2×0.25	21.5	580
55×2×0.25	22.1	630
1×2×0.34	5.4	58
2×2×0.34	7.0	65
3×2×0.34	7.3	78
4×2×0.34	8.1	90
5×2×0.34	8.8	110
6×2×0.34	9.8	130
7×2×0.34	9.8	145
8×2×0.34	11.2	150
9×2×0.34	12.6	170
10×2×0.34	12.6	190
12×2×0.34	12.8	220
14×2×0.34	13.3	245
16×2×0.34	14.3	250
18×2×0.34	15.2	275
21×2×0.34	15.9	300
25×2×0.34	17.5	400
27×2×0.34	17.5	410
30×2×0.34	19.1	440



Data Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
34×2×0.34	20.8	510
37×2×0.34	21.5	550
40×2×0.34	22.4	590
44×2×0.34	23.6	600
50×2×0.34	24.8	650
52×2×0.34	24.8	680
56×2×0.34	25.4	750
61×2×0.34	26.2	840
1×2×0.5	4.9	60
2×2×0.5	7.8	89
3×2×0.5	8.2	104
4×2×0.5	9.1	126
5×2×0.5	9.9	148
6×2×0.5	10.7	171
8×2×0.5	12.8	290
10×2×0.5	14.0	320
12×2×0.5	14.3	361
16×2×0.5	16.1	421
20×2×0.5	17.2	580
25×2×0.5	17.9	740
1×2×0.75	5.2	71
2×2×0.75	8.4	105
3×2×0.75	8.9	128
4×2×0.75	9.8	156
5×2×0.75	10.8	189
6×2×0.75	12.1	216
8×2×0.75	13.4	309
10×2×0.75	15.5	355
12×2×0.75	15.8	405
16×2×0.75	18.0	565
20×2×0.75	19.2	700
25×2×0.75	21.8	950
1×2×1	5.3	75
2×2×1	8.9	116
3×2×1	9.4	140
4×2×1	10.4	191
1×2×1.5	5.8	84
2×2×1.5	10.2	122
3×2×1.5	10.8	194
4×2×1.5	12.0	240