



LIHCH Twisted Pair Halogen-free Data Cable

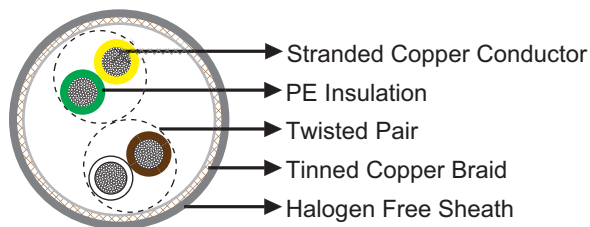
» Application

These screened flexible cables are designed for special purpose of data transmission in wind turbines, suitable for indoor and outdoor installation.

» Standards

DIN VDE 0812

» Construction



Conductor: Stranded bare copper.

Insulation: PE compound type 2YJ1.

Cable Element: Twisted pairs.

Screen: Tinned copper wire braid.

Sheath: Halogen free compound type HM2.

» Technical Data

Rated Voltage U _o /U (U _m)	350V (≤0.14 mm ²); 500V (>0.14 mm ²)
Operating Temperatures	flexing: -5°C~+70°C; fixed: -40°C~+70°C
Minimum Bending Radius	flexing: 10×OD; fixed: 7.5×OD
Flame Retardant	DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1
Halogen Free	VDE 0482 part 267/DIN EN 50267-2-1/IEC 60754
Gases Corrosively	VDE 0482 part 267/DIN EN 50267-2-2/IEC 60754



Data Cable

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm ²	mm	kg/km
2×2×0.14	5.2	37
3×2×0.14	6.2	47
4×2×0.14	6.4	66
5×2×0.14	7.2	76
6×2×0.14	8.2	87
7×2×0.14	8.7	94
10×2×0.14	9.9	119
12×2×0.14	10.0	135
15×2×0.14	11.3	157
18×2×0.14	12.5	190
2×2×0.25	6.1	44
3×2×0.25	7.0	66
4×2×0.25	7.5	81
5×2×0.25	8.2	98
6×2×0.25	9.3	116
7×2×0.25	9.4	120
10×2×0.25	10.6	153
12×2×0.25	11.4	175
15×2×0.25	12.9	213
18×2×0.25	13.7	248
2×2×0.34	7.3	68
3×2×0.34	8.6	92
4×2×0.34	9.6	110
5×2×0.34	10.1	128
6×2×0.34	10.6	147
7×2×0.34	11.0	154
10×2×0.34	13.1	209
12×2×0.34	14.4	245
15×2×0.34	15.2	279
18×2×0.34	16.9	363
2×2×0.5	7.6	76
3×2×0.5	9.0	107
4×2×0.5	10.3	134
5×2×0.5	10.8	150
6×2×0.5	11.4	176
7×2×0.5	11.8	185
10×2×0.5	14.3	275
12×2×0.5	15.1	330



Caledonian Windmill Cables

Data Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
15×2×0.5	17.0	380
18×2×0.5	18.3	450
2×2×0.75	9.0	105
3×2×0.75	10.1	137
4×2×0.75	11.5	166
5×2×0.75	12.4	200
6×2×0.75	12.5	236
7×2×0.75	13.6	255
10×2×0.75	15.7	363
12×2×0.75	17.8	434
15×2×0.75	19.3	500
18×2×0.75	20.6	580

