

## DATAX

### DATAX LIHCH FOR WINDTURBINES



#### Application

Screened flexible cable for special purpose of data transmission in wind turbines, where high flexibility is required. For indoor and outdoor installation.

#### Construction

##### Conductor

Flexible annealed bare copper.  
Size 0.25 mm<sup>2</sup> - 14 / 0,15 mm  
Size 0.34 mm<sup>2</sup> - 7 / 0,25 mm  
0.5 mm<sup>2</sup> and above: class 5 according to IEC 60228

##### Insulation

OHLS compound

##### Colour code

JZ: Black numbered + 1 yellow/green, or  
In accordance with DIN 47100

##### Lay -up

Conductors are laid-up in concentric layers  
Wrapping polyester tape

##### Screen

Flexible annealed copper drain wire (7 / 0,15)  
Tinned annealed copper wire braid  
Coverage: ≥ 65%

##### Outer sheath

OHLS compound  
Colour: BLACK RAL 9005

##### Marking

DRAKA 05 (AA) (OF) \*DATAX LIHCH\* (NxS or NGS)mm<sup>2</sup>  
DATA TRANSMISSION CABLE (meter marking)M  
where:  
AA: Production year (2 last digits)  
OF: Production order  
N: Number of conductors  
S: Cross section

#### Electrical Characteristics (at 20°C)

##### Nominal voltage

250 V

##### Test voltage

1500 V

Size (mm <sup>2</sup> )	Max. Conductor Resistance (Ω/Km)
0.25	75.4
0.34	57.6
0.50	39.0
0.75	26.0
1.00	19.5
1.50	13.3
2.50	7.98

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#### Cable Properties

<b>Flame retardant according to</b>	UNE EN 60332-1-2 (former IEC 60332-1)
<b>Operating temperature</b>	-40°C to +70°C
<b>Oil resistance according to</b>	CEI 20-11 (4h, 70°C in ASTM N° 2 Oil)
<b>Bending radius</b>	15 x D
<b>U.V. resistant</b>	

#### Commercial Information

Draka Code	Size (mm <sup>2</sup> )	Outer Ø (mm)	Weight (kg/km)	Colour code
26660.0370	4 x 0.25	4.8	33.56	DIN 47100
26661.0370	6 x 0.25	6.0	48.63	DIN 47100
23999.0370	7 x 0.25	5.8	48.64	DIN 47100
37731.0370	8 x 0.25	6.3	56.70	DIN 47100
26475.0370	2 x 0.34	5.0 ± 0.15	32.43	Red, Green
26055.0370	2 x 0,50	5.8	42.95	DIN 47100
24000.0370	4 x 0,50	6.6	57.76	DIN 47100
25631.0370	5 G 0,50	7.0	64.19	JZ
25635.0370	12 G 0,50	10.1	134.28	JZ
25636.0370	18 G 0,50	11.6	184.31	JZ
27636.0370	3 x 2 x 0,5	8.0	81.00	As follows: P1: Black-Brown ; P2: Black-Red ; P3: Black-Orange
24001.0370	2 x 0.75	6.2	50.95	DIN 47100
24002.0370	4 x 0.75	6.8	67.36	DIN 47100
37732.0370	12 G 0.75	10.7	168.04	JZ
37733.0370	18 G 0.75	12.4	236.6	JZ
26663.0370	2 x 1.00	6.3	53.09	DIN 47100
26664.0370	3 x 1.00	6.6	63.51	DIN 47100
26788.0370	3 G 1.00	6.6	63.51	JZ
26665.0370	4 x 1.00	7.2	77.08	DIN 47100
24003.0370	6 x 1.00	8.5	112.13	DIN 47100
26666.0370	7 G 1.00	8.5	120.38	JZ
24004.0370	10 x 1.00	11.2	183.52	DIN 47100
26667.0370	12 G 1.00	11.3	205.13	JZ
38454.0370	16 x 1.00	12.50	250.00	DIN 47100
36025.0370	19 G 1.00	13.10	290.48	JZ
24287.0370	2 x 1.50	7.1	66.75	DIN 47100
26668.0370	3 G 1.50	7.5	82.49	JZ
29729.0370	4 G 1.50	8.2	105.25	JZ
26669.0370	12 G 1.50	13.0	270.56	JZ
39620.0370	18 G 1.50	15.5	400.27	JZ
38128.0370	15 G 2.50	19.8	586.86	JZ