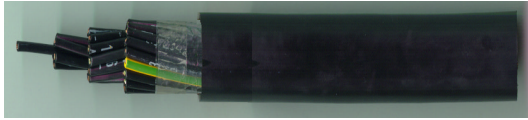


WINDTURBINE CONTROL CABLES UL -40 / +90°C



Application

Flexible control cable for special purpose of data transmission in wind turbines, where high flexibility is required.

Construction

1. Conductor

Flexible bare copper.
Class 5 according to IEC 228

2. Insulation

Special Low temperature PVC
PVC class 43 according to UL 1011 style.
Temperature range: -40°C to +90°C

3. Colour code

Black conductors white numbered and 1 yellow/green

4. Lay-up

Conductors are laid up in concentric layers.
Wrapping polyester tape

5. Outer sheath

Special Low temperature PVC
PVC class 43 according to UL 2463 style.
Temperature range: -40°C to +90°C
Colour BLACK RAL 9005.

6. Marking

DRAKA DCI (OF) *CONTROL CABLE* (NGS) mm²
UL-1001/2463 600V -40°C +90°C FILE E95543
OF: Production order
N: Number of conductors
S: Cross-section



Electrical Characteristics (at 20°C)

Nominal voltage	600 V
Test voltage	2000 V a.c. 1 min.

Cable properties

Minimum temperature:	
Mobile installation	-40°C
Fixed service	-50°C

Minimum bending radius:	
Mobile installation at -40°C	10xD
Fixed installation at -50°C	8xD

Tensile strength	Equal to a free hanging length of minimum 80 m
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Flame retardant according to	EN 50265-2-1 (former IEC 332-1)
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Oil resistant according to	CEI-20-11 (4h. 70°C)
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UV resistant

Commercial information

WINDTURBINE CONTROL CABLES			
Draka Code	Size (mm ²)	Outer Ø (mm)	Weight (kg/km)
27424.0370	12 G 2,50	17.70	483
27421.0370	28 G 2,50	26.80	1.082
23552.0370	36 G 2,50	29.00	1.334
27423.0370	4 G 4,00	11.60	234
27422.0370	4 G 10,0	18.20	600