

TECHNICAL DATA SHEET

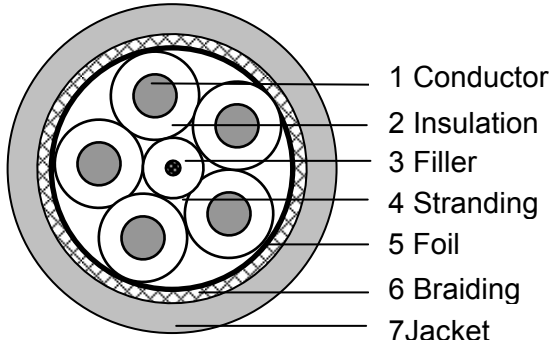
CONTROLFLEX CY LEADFREE
5*1.50 mm² blk.

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APPLICATION

Flexible PVC insulated and sheathed power cable, generally in accordance with VDE0250

CONSTRUCTION



1. Conductor

Material
Dimensions

Stranded bare copper
30x0.25 mm (1.50 mm²)

2. Insulation

Material
Diameter

PVC
2.80 ± 0.05 mm

3. Filler

Material
Diameter

PVC
2.00 mm

4. Stranding

Lay up
Colours

5 cores stranded
Yellow/Green, Blue Brown, Black and Grey

5. Foil

Material
Thickness

Polyester foil
23 µm

6. Braiding

Material
Diameter
Coverage

0.12 mm tinned Cu
8.21
64 %

7. Jacket

Material
Diameter
Nominal wall

PVC
10.22 ± 0.30 mm
0.80 mm

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REQUIREMENTS AND TEST METHODS

Electrical:

Voltage rating conductor to earth	300 V RMS
Voltage rating conductor to conductor	500 V RMS
Maximum resistance conductor @ 20°C	13.3 Ω/km
Maximum continuous current per conductor @ 25°C	0.8 x 16A

Mechanical and physical:

Temperature range processing	-5 to +70 °C
Temperature range operating (moving installation)	-5 to +70 °C
Temperature range operating (fixed installation)	-30 to +70 °C
Temperature range storage	-30 to +70 °C
Nominal weight per 100m	16.5 kg
Maximum pulling tension	525 N
Minimum bending radius	10 x D



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.

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