

TECHNICAL DATA SHEET

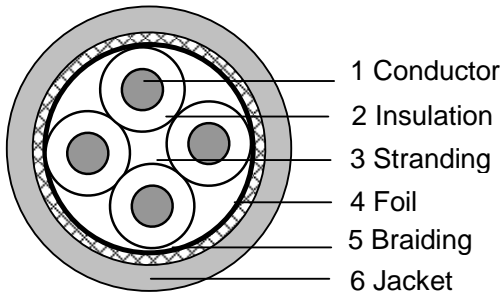
CONTROLFLEX CY LEADFREE
4*1.00 mm² blk.

EPN **CYSC04**
version **4**
date **2006-02-03**
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APPLICATION

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

CONSTRUCTION



1. Conductor	
Material	Stranded bare copper
Dimensions	32x0.20 mm (1.00 mm ²)
2. Insulation	
Material	PVC
Diameter	2.52 ± 0.05 mm
3. Stranding	
Lay up	4 cores stranded
Colours	Yellow/green, brown, black and grey
4. Foil	
Material	Polyester foil
Thickness	23 µm
5. Braiding	
Material	0.12 mm tinned Cu
Diameter	6.71
Coverage	64 %
6. Jacket	
Material	PVC
Diameter	8.10 ± 0.30 mm
Nominal wall	0.70 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	19.5 Ω/km
Maximum continuous current per conductor @ 25°C	0.8 x 10A

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	9.7 kg
Maximum pulling tension	280 N
Minimum bending radius	10 x D

