

PFSK 16/2 0,5mm²

D18x0,5 PFSK 440V

Nexans Ref.: 10007853
Country Ref.: 1060491
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DESCRIPTION

Application

These flexible multicore cables are used for internal cabling and inter-connection of airborne and ground electronic equipment and instrumentation. Outdoor usage only when protected.

Description

- 16/0.2 mm tinned copper stranded conductors
- PVC insulation
- Conductors laid up in concentric layer
- Overall tinned copper braided screen
- Grey PVC outer sheath

50 core :

- Central core red, blue, white
- 1st layer red, blue, 7 white cores
- 2nd layer red, blue, 14 white cores
- 3rd layer red, blue, 20 white cores



DECLARATION OF PERFORMANCE

E_{ca}

STANDARDS

National DEF STAN 61-12 part 4



Conductor flexibility
Stranded



Rated Voltage U_o/U
(Um)
250/440 V



Mechanical
resistance to
impacts
**Normal domestic
use**



Operating temp.
-20 - 50 °C



Bending factor
when laying
6 (xD)



Operation bending
rad.
72 mm



Minimum
installation
temperature
- °C



Water proof
Temporary

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CHARACTERISTICS

Construction characteristics

Conductor material	Tinned copper
Conductor flexibility	Stranded
Core lay-up	In concentric layer
Insulation	PVC
Screen	Tinned copper braid
Outer sheath	PVC
Sheath colour	Grey
With Green/Yellow core	No

Dimensional characteristics

Number of cores	18
Nominal outer diameter	11.5 mm
Number of wires per strand	16
Conductor cross-section	0.5 mm ²
Wire diameter	0.2 mm
Approximate weight	248 kg/km
Conductor diameter	0.798 mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	40 Ohm/km
Maximum operating voltage	440 V
Capacity core to screen	200 pF/m
Rated Voltage U _o /U (U _m)	250/440 V

Mechanical characteristics

Mechanical resistance to impacts	Normal domestic use
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Usage characteristics

Operating temperature, range	-20 - 50 °C
Bending factor when laying	6 (xD)
Laying operation bending radius	72 mm
Minimum installation temperature	- °C
Water proof	Temporary
Chemical resistance	Atmospheric
Resistance to vibrations	Low