

# PFSK 16/2 0,5mm<sup>2</sup>

D4x0,5 PFSK 440V

Nexans Ref.: 10172155  
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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<sub>ca</sub>

## STANDARDS

National DEF STAN 61-12 part 4



Conductor flexibility  
**Stranded**



Rated Voltage U<sub>o</sub>/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.  
**43.8 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	4
Nominal outer diameter	6.8 mm
Number of wires per strand	16
Conductor cross-section	0.5 mm <sup>2</sup>
Wire diameter	0.2 mm
Approximate weight	72 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 <sub>o</sub> /U (U <sub>m</sub> )	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	43.8 mm
Minimum installation temperature	- °C
Water proof	Temporary
Chemical resistance	Atmospheric
Resistance to vibrations	Low