

PFSK 16/2 0,5mm²

D36x0,5 PFSK 440V

Nexans Ref.: 10021498
Country Ref.: 1060493
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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.
- 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 | 36 |
| Nominal outer diameter | 15.5 mm |
| Number of wires per strand | 16 |
| Conductor cross-section | 0.5 mm ² |
| Wire diameter | 0.2 mm |
| Approximate weight | - 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 |
|----------------------------------|---------------------|

Usage characteristics

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