



Country Ref.: Etude 133510

CONTACT

Market information
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International Designation:

16 channels 38 AWG coax cable

Ultrasound cable assemblies

STANDARDS

Product 448-010-3-10; Nexans specification

Characteristics

Very flexible cable with an extremely good mechanical behaviour.
 Withstands miscellaneous sterilisation processes.

CONSTRUCTION

1- CORE (A)

AWG 38 solid silver plated copper conductor
 Nominal diameter : 0.10 mm
 FEP insulation
 Diameter : 0.30 +/- 0.02 mm
 AWG 48 silver plated copper helicoidal screen
 Nominal diameter : 0.36 mm
 FEP jacket
 Diameter : 0.46 +/- 0.03 mm

2- CORE (B)

4 Cores (A) twisted.
 Nominal diameter : 1.10 mm

ASSEMBLY

1 Kevlar strength member + 4 Cores (B) twisted

3- PTFE Tape

Nominal diameter : 2.72 mm

4- SHIELD

AWG 40 tin plated copper braid.
 85% min coverage.
 Nominal diameter : 3.04 mm

5- PTFE Tape

Nominal diameter : 3.24 mm

6- JACKET

Polyurethane
 Nom. Diameter : 4.40 mm
 Max. Diameter : 4.50 mm

Main Characteristics

Minimum bending radius : 5 x Overall diameter.



Cable flexibility
Flexible



Maximum operating temperature
85 °C



Minimum operating temperature
-30 °C



RoHS compliant
Yes

CHARACTERISTICS**Construction characteristics**

| | |
|--------------------|-----------------------|
| Construction type | Shielded and sheathed |
| Conductor shape | Single wired |
| Conductor material | Silver coated copper |
| Insulation | FEP |

Dimensional characteristics

| | |
|--------------------|--------|
| Approximate weight | 24 g/m |
| Outer Diameter | 4.4 mm |

Electrical characteristics

| | |
|-------------------|------|
| Operating voltage | 24 V |
|-------------------|------|

Mechanical characteristics

| | |
|-------------------|----------|
| Cable flexibility | Flexible |
|-------------------|----------|

Usage characteristics

| | |
|-------------------------------|--------|
| Maximum operating temperature | 85 °C |
| Minimum operating temperature | -30 °C |
| RoHS compliant | Yes |