



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
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**Mechanical characteristics**

Cable flexibility	Flexible
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**Usage characteristics**

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