



Country Ref.: Etude 133496

## CONTACT

Market information  
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### International Designation:

108 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 silver plated copper wire.

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)

8 Cores (A) twisted.

Nominal diameter : 1.46 mm

### ASSEMBLY

13 Cores (B) + 4 Cores (A) twisted

### 3- PTFE Tape

Nominal diameter : 6.37 mm

### 4- SHIELD

AWG 40 tin plated copper braid.

85% min coverage.

Nominal diameter : 6.73 mm

### 6- JACKET

Medical Polyurethane

Nom. Diameter : 7.85 mm

Max. Diameter : 8.00 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	93 g/m
Outer Diameter	7.85 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