



Country Ref.: Etude 132911

### CONTACT

Market information  
 industryprojects.business@lynxegroup.com

#### International Designation:

132 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)

4 Cores A twisted.  
 Nominal diameter : 1.10 mm

#### 3- CORE (C)

8 Cores (A) twisted.  
 Nominal diameter : 1.40 mm

1 Kevlar strength member +  
 16 cores (C) twisted.  
 Nominal diameter : 6.32 mm

#### 4- PTFE Tape

Nominal diameter : 6.65 mm

#### 5- SHIELD

AWG 40 tin plated copper braid.  
 85% coverage.  
 Nominal diameter : 7 mm

#### 6- JACKET

Medical PVC  
 Diameter : 8.48 +/- 0.20 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	119 g/m
Outer Diameter	8.48 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