



Country Ref.: Etude 132505

### CONTACT

Market information  
industryprojects.business@lynxgroup.com

#### International Designation:

68 channels 38 AWG coax cable

#### Ultrasound cable assemblies

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

### STANDARDS

**Product** 448-010-3-10; Nexans specification

#### 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 : 1.40 mm

#### 3- CORE (C)

2 Cores (A) twisted.

Nominal diameter : 0.90 mm

1 Kevlar strength member +

8 Cores (B) + 2 Cores (C) twisted.

Nominal diameter : 4.60 mm

#### 4- PTFE Tape

Nominal diameter : 4.65 mm

#### 5- SHIELD

AWG 40 tin plated copper braid.

85% coverage.

Nominal diameter : 5.00 mm

#### 6- JACKET

Medical PVC

Diameter : 6.50 +/- 0.10 mm

#### Main Characteristics

Minimum bending radius : 5 x Overall diameter.



Cable flexibility  
**Very 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	68 g/m
Outer Diameter	6.5 mm

**Electrical characteristics**

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

**Mechanical characteristics**

Cable flexibility	Very flexible
-------------------	---------------

**Usage characteristics**

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