



**Reference:** Etude 133501  
**Country Ref.:** Etude 133501

### CONTACT

Market information  
 industryprojects.business@lynxeogroup.com

### International Designation:

70 channels 40 AWG coax cable

Ultrasound cable assemblies

## STANDARDS

**Product** Nexans specification

### Characteristics

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

### CONSTRUCTION

#### 1- CORE (A)

AWG 40 stranded silver plated copper alloy.  
 Fluoropolymer insulation.  
 Diameter : 0.41 +/- 0.02 mm

AWG 48 silver plated copper helicoidal screen  
 Nominal diameter : 0.47 mm

Fluoropolymer jacket  
 Diameter : 0.53 +/- 0.02 mm

#### 2- CORE (B)

8 Cores (A) twisted.  
 Nominal diameter : 1.68 mm

#### 3- CORE (C)

3 Cores (A) twisted.  
 Nominal diameter : 1.14 mm

### ASSEMBLY

Center : 1 Core (B) + 2 Cores (C) twisted.  
 Around : 7 Cores (B) twisted.  
 Nominal diameter : 5.5 mm

#### 4- PTFE Tape

Nominal diameter : 5.63 mm

#### 5- SHIELD

AWG 40 Tin plated copper braid.  
 90% coverage.  
 Nominal diameter : 5.99 mm

#### 6- JACKET

Medical PVC  
 Nom. diameter : 7.20 mm  
 Max. diameter : 7.50 mm



Cable flexibility  
**Flexible**



Maximum operating temperature  
**80 °C**



Minimum operating temperature  
**-30 °C**



RoHS compliant  
**Yes**

### Mechanical performances

Minimum static bending radius : 5 x Overall diameter.

**CHARACTERISTICS****Construction characteristics**

|                    |                       |
|--------------------|-----------------------|
| Construction type  | Shielded and sheathed |
| Conductor shape    | Multi stranded        |
| Conductor material | Silver coated copper  |
| Insulation         | FEP                   |

**Dimensional characteristics**

|                    |        |
|--------------------|--------|
| Approximate weight | 71 g/m |
| Outer Diameter     | 7.2 mm |

**Electrical characteristics**

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

**Mechanical characteristics**

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

**Usage characteristics**

|                               |        |
|-------------------------------|--------|
| Maximum operating temperature | 80 °C  |
| Minimum operating temperature | -30 °C |
| RoHS compliant                | Yes    |