



Country Ref.: Etude 132807

### CONTACT

Market information  
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#### International Designation:

2 channels 32 AWG coax  
 + 1 channel 32 AWG triax  
 + 4 x 26 AWG wires

#### 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 32 stranded Silver plated copper alloy conductor.  
 FEP insulation.  
 Diameter : 0.65 +/- 0.02 mm.  
 AWG 44 Silver plated copper spiral shield.  
 Nominal diameter : 0.75 mm.  
 FEP jacket  
 Diameter : 0.91 +/- 0.03 mm

#### 2- CORE (B)

32 AWG stranded Silver plated copper alloy conductor.  
 FEP insulation.  
 Diameter : 0.65 +/- 0.02 mm.  
 AWG 44 Silver plated copper spiral shield.  
 Nominal diameter : 0.75 mm  
 FEP jacket.  
 Nominal diameter : 0.91 +/- 0.03 mm.  
 AWG 44 Silver plated copper spiral shield.  
 Nominal diameter : 1.01 mm.  
 FEP jacket.  
 Diameter : 1.20 +/- 0.10 mm.

#### 3- CORE (C)

AWG 26 stranded Silver plated copper conductor.  
 FEP insulation.  
 Diameter : 0.91 +/- 0.05 mm

#### Assembly

1 Core (B) + 1 Kevlar member  
 Around 2 Cores (A) + 1 filler + 4 Cores (C) twisted.  
 Nominal diameter : 3.00 mm

#### 4- PTFE Tape

Nominal diameter : 3.05 mm

#### 5- SHIELD

AWG 40 Silver plated copper braid.  
 85% coverage.  
 Nominal diameter : 3.50 mm

#### 6- JACKET

Medical PVC  
 Diameter : 6.80 +/- 0.15 mm



Cable flexibility  
 Very flexible



Maximum operating temperature  
 85 °C



Minimum operating temperature  
 -30 °C



RoHS compliant  
 Yes

#### Main Characteristics

Minimum bending radius : 5 x Overall diameter.

**CHARACTERISTICS****Construction characteristics**

Construction type	Shielded and sheathed
Conductor shape	Single wired
Conductor material	Silver coated copper
Insulation	FEP

**Dimensional characteristics**

Approximate weight	62 g/m
Outer Diameter	6.8 mm

**Electrical characteristics**

Operating voltage	24 V
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**Mechanical characteristics**

Cable flexibility	Very flexible
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**Usage characteristics**

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