



Country Ref.: Etude 133653

### CONTACT

Market information  
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#### International Designation:

34 channels 38 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 38 silver plated copper wire.  
FEP insulation.  
Diameter : 0.30 +/- 0.02 mm

AWG 48 silver plated copper helical screen  
Nominal diameter : 0.36 mm

FEP jacket  
Diameter : 0.53 +/- 0.03 mm

##### 2- CORE (B)

8 Cores A twisted.  
Nominal diameter : 1.63 mm

##### 3- CORE (C)

2 Cores (A) twisted.  
Nominal diameter : 1.07 mm

1 Kevlar strength member +  
4 cores (B) + 1 core (C) twisted.  
Nominal diameter : 3.70 mm

##### 4- PTFE Tape

Nominal diameter : 3.84 mm

##### 5- SHIELD

AWG 40 tin plated copper braid.  
85% coverage.  
Max. diameter : 4.35 mm

#### Main Characteristics

Minimum bending radius : 5 x Overall diameter.



Cable flexibility  
Very flexible



Maximum operating temperature  
105 °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	34 g/m
Outer Diameter	4.2 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	105 °C
Minimum operating temperature	-30 °C
RoHS compliant	Yes