



**Reference:** Etude 133701  
**Country Ref.:** Etude 133701

### CONTACT

Market information  
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#### International Designation:

2 channels AWG46 + 4 channels AWG42 Coax  
 + AWG42 AWG38 AWG36 AWG34 Wires

#### Ultrasound cable assemblies

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

### STANDARDS

#### Product Nexans specification

#### CORE (A)

AWG46 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Nominal diameter : 0.10 mm  
 AWG48 Silver plated copper spiral shield  
 Nominal diameter : 0.16 mm  
 Fluoropolymer Jacket  
 Diameter : 0.23 +/- 0.02 mm

#### CORE (B)

AWG44 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Nominal diameter : 0.15 mm  
 AWG48 Silver plated copper spiral shield.  
 Nominal diameter : 0.21 mm  
 Fluoropolymer Jacket  
 Diameter : 0.27 +/- 0.02 mm

#### CORE (C)

AWG44 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Nominal diameter : 0.17 mm  
 AWG48 Silver plated copper spiral shield  
 Nominal diameter : 0.23 mm  
 Fluoropolymer Jacket  
 Diameter : 0.29 +/- 0.02 mm

#### CORE (D)

AWG42 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Nominal diameter : 0.17 mm

#### CORE (E)

AWG38 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Diameter : 0.22 +/- 0.02 mm

#### CORE (F)

AWG36 stranded Silver plated copper alloy conductor  
 Fluoropolymer Insulation  
 Diameter : 0.25 +/- 0.02 mm

#### CORE (G)

AWG34 stranded Silver plated copper alloy conductor.  
 Fluoropolymer Insulation  
 Diameter : 0.28 +/- 0.02 mm



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	Multi stranded
Conductor material	Silver coated copper
Insulation	Fluor polymer

**Dimensional characteristics**

Approximate weight	3.46 g/m
Outer Diameter	1.31 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