



Country Ref.: Etude 132857

### CONTACT

Market information  
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### International Designation:

2 Channels 36 AWG coax  
+ 10 x 34 AWG wires

Medical Video Endoscopy cable

## STANDARDS

**Product** Nexans specification

### Characteristics

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

### CONSTRUCTION

#### 1- CORE (A)

AWG 36 stranded silver plated alloy conductor.  
PFA insulation.  
Diameter : 0.44 +/- 0.03 mm.

AWG 44 silver plated copper spiral shield.  
Nominal diameter : 0.54 mm.

PFA Jacket  
Diameter : 0.63 +/- 0.03 mm.

#### 2- CORE (B)

AWG 34 stranded silver plated alloy conductor.  
PFA insulation.  
Diameter : 0.32 +/- 0.05 mm.

#### 3- CORE (C)

2 Cores (B) twisted.

2 Cores (A) + 5 Cores (C) twisted.  
Nominal diameter : 1.90 mm.

#### 4- PTFE Tape

Nominal diameter : 2.08 mm.

#### 5- SHIELD

AWG 40 silver plated copper alloy braid.  
85% coverage.  
Nominal diameter : 2.40 mm.

#### 6- PTFE Tape

#### 7- JACKET

Medical Polyurethane bright  
Nom. diameter : 3.95 mm.  
Max. diameter : 4.10 mm.  
Internal diameter : 2.60 to 2.80 mm.  
Min. thickness : 0.55 mm.



Cable flexibility  
**Very flexible**



Maximum operating temperature  
**85 °C**



Minimum operating temperature  
**-30 °C**

### Main Characteristics

Minimum static bending radius : 5 x Overall diameter.

**CHARACTERISTICS****Construction characteristics**

Conductor material	Silvered copper
Conductor shape	Multi stranded
Construction type	Shielded and sheathed
Insulation	PFA

**Dimensional characteristics**

Wire diameter	- mm
Outer Diameter	3.9 mm
Maximum outer diameter	4.1 mm
Approximate weight	19.12 g/m

**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
Mechanical Resistance	Good mechanical resistance