



Country Ref.: Etude 132196

### CONTACT

Market information  
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#### International Designation:

4 channels 38 AWG coax  
 7 x 36 AWG wires

#### Video Endoscopy cable assemblies

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

### STANDARDS

#### Product Nexans specification

##### 1- CORE (A)

AWG 38 Stranded silver plated alloy  
 FEP insulation  
 Diameter : 0.34 +/- 0.02 mm  
 AWG 44 Silver plated copper  
 Spiral shield  
 Diameter : 0.44 mm  
 FEP jacket  
 Diameter : 0.53 +/- 0.02 mm

##### 2- CORE (B)

AWG 36 Stranded silver plated alloy  
 FEP insulation  
 Diameter : 0.29 +/- 0.03 mm

##### 3- CORE (C)

Kevlar member

#### ASSEMBLY

4 Cores (A) + 7 Cores (B) + Kevlar member twisted  
 Nominal diameter : 1.75 mm

##### 4- PTFE Tape

Nominal diameter : 1.80 mm

##### 5- SHILED

AWG 40 Silver plated copper alloy braid  
 85% coverage  
 Nominal diameter : 2.10 mm

##### 6- PTFE Tape

Nominal diameter : 2.15 mm.

##### 7- Thermoplastic elastomer jacket

Diameter : 2.75 +/- 0.15 mm

#### Main Characteristics

Minimum static bending radius : 5 x Overall diameter.



Cable flexibility  
 Very flexible



Maximum operating temperature  
 85 °C



Minimum operating temperature  
 -30 °C

**CHARACTERISTICS****Construction characteristics**

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

**Dimensional characteristics**

Wire diameter	0.29 mm
Outer Diameter	2.75 mm
Maximum outer diameter	2.9 mm
Approximate weight	13.6 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