



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