



Country Ref.: Etude 133274

CONTACT

Market information
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International Designation:

3 Channels 42 AWG coax
 + 9 x 42 AWG wires

Medical Video Endoscopy cable assemblies

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

STANDARDS

Product Nexans specification

1- CORE (A)

AWG 42 stranded silver plated alloy conductor.
 FEP insulation.
 Diameter : 0.21 +/- 0.02 mm.

AWG 48 silver plated copper spiral shield.
 Nominal diameter : 0.27 mm.

FEP Jacket
 Diameter : 0.35 +/- 0.02 mm.

2- CORE (B)

AWG 42 stranded silver plated alloy conductor.
 FEP insulation.
 Diameter : 0.15 +/- 0.02 mm.

3- CORE (C)

4 Cores (B) twisted.

3 Cores (A) + 1 Core (C) + 5 Cores (B) twisted.
 Nominal diameter : 0.85 mm.

4- PTFE Tape

Nominal diameter : 0.97 mm.

5- SHIELD

AWG 44 silver plated copper braid.
 95% coverage.
 Nominal diameter : 1.20 mm.

6- Medical Polyurethane Jacket

Diameter : 1.40 +/- 0.10 mm.

Main Characteristics

Minimum static bending radius : 5 x Overall diameter.



Cable flexibility
 Very flexible



Maximum operating temperature
 85 °C



Minimum operating temperature
 20 °C

CHARACTERISTICS**Construction characteristics**

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

Dimensional characteristics

Wire diameter	0.15 mm
Outer Diameter	1.4 mm
Maximum outer diameter	1.5 mm
Approximate weight	- g/m

Electrical characteristics

Operating voltage	35 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	20 °C
Mechanical Resistance	Good mechanical resistance