



Reference: Etude 133148
Country Ref.: Etude 133148

CONTACT

Market information
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International Designation:

1 x 36 AWG twisted pair
 1 x 36 AWG twisted quad
 + 8 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 36 stranded Silver plated alloy conductor.
 MFA insulation.
 Diameter : 0.27 +/- 0.03 mm.

CORE (B)

Filler :
 AWG 44 Silver plated copper wire.
 MFA insulation.
 Nominal diameter : 0.18 +/- 0.03 mm.

2- CORE (C)

2 Cores (A) + 2 Cores (B)
 PTFE tape
 Nominal diameter : 0.70 mm
 AWG 44 Silver plated copper spiral shield.
 Nominal diameter : 0.80 mm
 MFA Jacket
 Diameter : 0.92 +/- 0.05 mm

3- CORE (D)

4 Cores (A) twisted
 PTFE tape
 Nominal diameter : 0.78 mm
 AWG 44 Silver plated spiral shield.
 Nominal diameter : 0.88 mm
 MFA jacket.
 Diameter : 1.00 +/- 0.05 mm

4- CORE (E)

4 Cores (A) twisted
 Nominal diameter : 0.65 mm

Assembly

1 Core (C) + 1 Core (D) + 2 Cores (E) twisted.
 Nominal diameter : 1.92 mm

5- PTFE Tape

Nominal diameter : 1.98 mm

6- DRAIN Wire

7 x 40 AWG Silver plated copper alloy.

7- SHIELD

AWG 40 silver plated copper alloy braid.
 85% coverage.

8- PTFE tapes

Nominal diameter : 2.65 mm



Cable flexibility
Very flexible



Maximum operating temperature : 85 °C
 Minimum operating temperature : -30 °C



6- DRAIN Wire

7 x 40 AWG Silver plated copper alloy.

7- SHIELD

AWG 40 silver plated copper alloy braid.
 85% coverage.

8- PTFE tapes

Nominal diameter : 2.65 mm

CHARACTERISTICS**Construction characteristics**

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

Dimensional characteristics

Wire diameter	0.27 mm
Outer Diameter	4.05 mm
Maximum outer diameter	4.15 mm
Approximate weight	21.57 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