



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



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 |
|-------------------|------|

Mechanical characteristics

| | |
|-------------------|---------------|
| Cable flexibility | Very flexible |
|-------------------|---------------|

Usage characteristics

| | |
|-------------------------------|----------------------------|
| Maximum operating temperature | 85 °C |
| Minimum operating temperature | -30 °C |
| Mechanical Resistance | Good mechanical resistance |