



**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 : -50 °C

**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