



Country Ref.: Etude 133483

### CONTACT

Market information  
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#### International Designation:

2 32 AWG pairs  
 2 channels 32 AWG coax  
 + 4 x 32 AWG wires

#### Video Endoscopy cable assemblies

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

### STANDARDS

#### National Customer specification

##### 1- CORE (A)

AWG 32 stranded Silver plated copper alloy conductor.  
 FEP insulation.  
 Nom. diameter : 0.65 mm  
 AWG 44 Silver plated copper spiral shield.  
 Min. coverage : 90%  
 FEP Jacket.  
 Diameter : 0.91 +/- 0.03 mm

##### 2- CORE (B)

AWG 32 stranded Silver plated copper alloy conductor.  
 MFA insulation.  
 Nom. diameter : 0.40 mm  
 Assembly two cores  
 Nom. diameter : 0.80 mm

##### 3- CORE (C)

AWG 32 stranded Silver plated copper alloy conductor.  
 MFA insulation.  
 Diameter : 0.40 +/- 0.03 mm

#### ASSEMBLY

PTFE central filler  
 + 2 Cores (A) + 2 Cores (B) + 4 Cores (C) twisted.

#### 4- PTFE Tape

#### 5- SHIELD

AWG 44 silver plated copper spiral shield.  
 Min. coverage : 90%  
 Nominal diameter : 2.35 mm.

#### 6- FEP Jacket

Nom. Diameter : 2.80 mm.  
 Max. Diameter : 3.00 mm

#### Mechanical Characteristics

Minimum static bending radius : 5 x Overall diameter



Cable flexibility  
 Very flexible



Maximum operating temperature  
 200 °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          | 0.4 mm |
| Outer Diameter         | 2.8 mm |
| Maximum outer diameter | 3.0 mm |
| Approximate weight     | 16 g/m |

**Electrical characteristics**

|                   |      |
|-------------------|------|
| Operating voltage | 12 V |
|-------------------|------|

**Mechanical characteristics**

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

**Usage characteristics**

|                               |                            |
|-------------------------------|----------------------------|
| Maximum operating temperature | 200 °C                     |
| Minimum operating temperature | -30 °C                     |
| Mechanical Resistance         | Good mechanical resistance |