



Reference: Etude 133475
Country Ref.: Etude 133475

CONTACT

Market information
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International Designation:

3 shielded jacketed 40 AWG pairs
 4 channels 42 AWG coax
 + 14 x 42 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 40 stranded Silver plated alloy conductor.
 MFA insulation.
 Diameter : 0.25 +/- 0.03 mm.
 Assembly two cores
 AWG 48 Silver plated copper spiral braid.
 Nominal diameter : 0.56 mm.
 FEP Jacket
 Diameter : 0.66 +/- 0.03 mm.

2- CORE (B)

AWG 42 stranded Silver plated alloy conductor.
 MFA insulation.
 Diameter : 0.22 +/- 0.02 mm.
 AWG 48 Silver plated copper spiral braid.
 MFA Jacket
 Diameter : 0.36 +/- 0.03 mm

3- CORE (C)

AWG 42 stranded Silver plated alloy conductor.
 MFA insulation.
 Diameter : 0.18 +/- 0.02 mm

ASSEMBLY

8 Cores (C)
 + 3 Cores (A) + 4 Cores (B) + 6 Cores (C) twisted.

4- PTFE Tape

5- SHIELD

AWG 44 silver plated copper braid.
 85% coverage.
 Nominal diameter : 2.19 mm.

6- FEP Jacket

Nom. Diameter : 2.45 mm.
 Max. Diameter : 2.50 mm



Biegbarkeit der Leitung
 sehr flexibel



Max. Betriebstemperatur
 150 °C



Min. Betriebstemperatur
 -30 °C

Mechanical Characteristics

Minimum static bending radius : 5 x Overall diameter.
 Bending test : 15000 cycles in 2 directions, mandrel diameter 15 mm.

CHARACTERISTICS

Konstruktionsmerkmale

Leitermaterial	Silvered copper
Leiterform	Multi stranded
Leitungsaufbau	Shielded and sheathed
Isolierung	PFA

Abmessungsmerkmale

Drahtdurchmesser	0,18 mm
Aussendurchmesser	2,45 mm
Maximaler Außendurchmesser	2,5 mm
Gewicht, ca.	10 g/m

Elektrische Eigenschaften

Betriebsspannung	24 V
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Mechanische Eigenschaften

Biegebarkeit der Leitung	sehr flexibel
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Anwendungsmerkmale

Max. Betriebstemperatur	150 °C
Min. Betriebstemperatur	-30 °C
Mechanisch Widerstandsfähig	Gute mechanische Widerstandsfähigkeit