



Reference: Etude 133475
Country Ref.: Etude 133475

CONTACT

Market information
 industryprojects.business@lynxgroup.com

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



Cable flexibility
Very flexible



Maximum operating temperature
150 °C



Mechanical Characteristics

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

Minimum operating temperature
-30 °C

CHARACTERISTICS**Construction characteristics**

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

Dimensional characteristics

Wire diameter	0.18 mm
Outer Diameter	2.45 mm
Maximum outer diameter	2.5 mm
Approximate weight	10 g/m

Electrical characteristics

Operating voltage	24 V
-------------------	------

Mechanical characteristics

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

Usage characteristics

Maximum operating temperature	150 °C
Minimum operating temperature	-30 °C
Mechanical Resistance	Good mechanical resistance