



Country Ref.: Etude 132196

CONTACT

Market information
 industryprojects.business@lynx^{eo}
 ogroup.com

International Designation:

4 channels 38 AWG coax
 7 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 38 Stranded silver plated alloy
 FEP insulation
 Diameter : 0.34 +/- 0.02 mm
 AWG 44 Silver plated copper
 Spiral shield
 Diameter : 0.44 mm
 FEP jacket
 Diameter : 0.53 +/- 0.02 mm

2- CORE (B)

AWG 36 Stranded silver plated alloy
 FEP insulation
 Diameter : 0.29 +/- 0.03 mm

3- CORE (C)

Kevlar member

ASSEMBLY

4 Cores (A) + 7 Cores (B) + Kevlar member twisted
 Nominal diameter : 1.75 mm

4- PTFE Tape

Nominal diameter : 1.80 mm

5- SHILED

AWG 40 Silver plated copper alloy braid
 85% coverage
 Nominal diameter : 2.10 mm

6- PTFE Tape

Nominal diameter : 2.15 mm.

7- Thermoplastic elastomer jacket

Diameter : 2.75 +/- 0.15 mm

Main Characteristics

Minimum static bending radius : 5 x Overall diameter.



Cable flexibility
 Very flexible



Maximum operating temperature
 85 °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	0.29 mm
Outer Diameter	2.75 mm
Maximum outer diameter	2.9 mm
Approximate weight	13.6 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