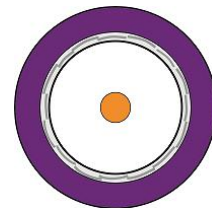


2^{de} shielding :

- Tinned copper braid
- Coverage : 95 %

Dielectric :

- Skin foam polyethylene
- $\varnothing$ nom. : 7.15 mm



Sheath :

- Purple LSZH – Flamme retardant
- $\varnothing$ nom. : 10.10 mm

1^{er} shielding :

- Triplex tape
- (Aluminium/PES/Aluminium)
- Coverage : > 100%

Conductor :

- Bare copper
- 1 x 1.62 mm



Applications

- Fixed HDTV & UHDTV digital video for broadcast and TV applications.
- UHD 4K video links (SMPTE 2081.1 compliant)
- LSZH version for public place.

Electrical characteristics

- Characteristic impedance : **75 Ω**
- Nominal capacitance : **52 pF/m**
- Electrical resistance at 20°C :
 - Inner conductor : **8.00 Ω /km**
 - Outer conductor : **7.40 Ω /km**
- Velocity of propagation : **84%.c**

• Nominal attenuation :

MHz	dB / 100m
• 50	2.90
• 100	4.20
• 400	8.50
• 750	12.00
• 1000	14.10
• 1500	18.00
• 2250	22.60
• 3000	26.90

• Return Loss :

MHz	dB
• 30 - 300	> 25
• 300 - 900	> 20
• 900 - 3000	> 18

Max. length of links

- SMPTE 292M standard – 1.50 Gb/s HDTV : max. length validated to **320 m.***
- SMPTE 424M standard – 3.00 Gb/s HDTV : max. length validated to **251 m.***
- SMPTE 2081.1 standard – 6.00 Gb/s 4K UHDTV : max. length theoretical to **157 m.**

***Tests made and validated by Tektronix Company with Neutrik connectors.**

Environnemental characteristics



- Temperature range : - 20°C → + 70°C



- Minimum bending radius : Static : **10 x Ø**



- Conform to **RoHS directive**



- Flame retardant : **IEC60332-1**
- Determination of halogen rate : **IEC 60754-1**
- Determination of corrosiveness of combustion gas : **IEC 60754-2**
- Determination of smoke density : **IEC 61034-1 et -2**



- Conform to **EN 50575 : 2014 + A1 : 2016**
- Class : **Eca**

Part nb

UHD16720LSZH	10.10 mm	114.00	1000 m