

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 : **56 pF/m**
- Electrical resistance at 20°C :
 - Inner conductor : **63.50 Ω /km**
 - Outer conductor : **21.50 Ω /km**
- Velocity of propagation : **78%.c**

• Nominal attenuation :

MHz	dB / 100m
• 1	1.20
• 10	3.50
• 100	24.50
• 500	34.30
• 1000	19.10
• 1500	43.00
• 3000	62.30

• Return Loss :

MHz	dB
• 50 - 300	> 25
• 300 - 900	> 20
• 900 - 3000	> 18

Max. length of links

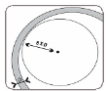
- SMPTE 292M standard – 1.50 Gb/s HDTV : max. length validated to **145 m.***
- SMPTE 424M standard – 3.00 Gb/s HDTV : max. length validated to **105m.***
- SMPTE 2081.1 standard – 6.00 Gb/s 4K UHDTV : max. length theoretical to **64 m.**

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

Environnemental characteristics



- Temperature range : - 20°C → + 70°C



- Minimum bending radius : Static : **8 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

UHD0628LSZH	4.60 mm	24.00	1000 m