

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 : **53 pF/m**
- Electrical resistance at 20°C :
 - Inner conductor : **21.00 Ω /km**
 - Outer conductor : **10.20 Ω /km**
- Velocity of propagation : **84%.c**

• Nominal attenuation :

MHz	dB / 100m
• 10	2.40
• 100	6.00
• 500	13.30
• 750	16.40
• 1000	19.30
• 1500	24.00
• 2250	30.00
• 3000	35.00

• Return Loss :

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

Max. length of links

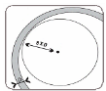
- SMPTE 292M standard – 1.50 Gb/s HDTV : max. length validated to **220 m.***
- SMPTE 424M standard – 3.00 Gb/s HDTV : max. length validated to **143 m.***
- SMPTE 2081.1 standard – 6.00 Gb/s 4K UHDTV : max. length theoretical to **112 m.**

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

Environnemental characteristics



- Temperature range : - 20°C → + 70°C



- Minimum bending radius : Static : **60 mm**



- 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

UHD10460LSZH	6.95mm	58.00	1000 m