

Applications

- Cable for digital & UHDTV links.
- Mobile applications
- Transmission over long distance

Electrical characteristics

- Characteristic impedance : **75 Ω**
- Nominal capacitance : **54 pF/m**
- Electrical resistance at 20°C :
 - Inner conductor : **21.00 Ω /km**
 - Outer conductor : **12.00 Ω /km**

• Nominal attenuation :

MHz	dB / 100m
• 50	4.90
• 100	6.60
• 200	9.10
• 400	13.00
• 800	19.10
• 1000	21.20
• 1500	26.40
• 3000	39.40

• Return Loss :

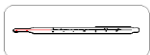
MHz	dB
• 30 - 900	≥ 25
• 900 - 1500	≥ 20
• 1500 - 3000	≥ 18

Max. length of links

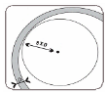
- SMPTE 292M standard – 1.50 Gb/s HDTV : max. length validated to **232 m.***
- SMPTE 424M standard – 3.00 Gb/s HDTV : max. length validated to **150 m.***
- SMPTE 2081.1 standard – 6.00 Gb/s 4K UHD TV : max. length theoretical to **101 m.**

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

Environnemental characteristics



- Temperature range : - 10°C → + 70°C



- Minimum bending radius : Static : **70 mm**
Dynamic : **35 mm**







- Conform to **RoHS directive**



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

Part nb

			
UHD1250FLEX	6.95 mm	53.00	1000 m