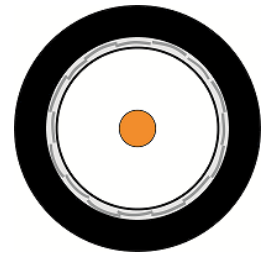


### Sheath :

- Black PVC
- $\varnothing$  nom. : 4.60 mm

### Dielectric :

- Skin foam polyethylene
- $\varnothing$  nom. : 2.80 mm



### 2<sup>de</sup> shielding :

- Tinned copper braid
- Coverage : 84 %

### 1<sup>er</sup> shielding :

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

### Conductor :

- Bare copper
- 1 x 0.60 mm

## Applications

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

## 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	<b>1.20</b>
• 10	<b>3.50</b>
• 100	<b>24.50</b>
• 500	<b>34.30</b>
• 1000	<b>19.10</b>
• 1500	<b>43.00</b>
• 3000	<b>62.30</b>

• Return Loss :

MHz	dB
• 50 - 300	<b>&gt; 25</b>
• 300 - 900	<b>&gt; 20</b>
• 900 - 3000	<b>&gt; 18</b>

### Max. length of links

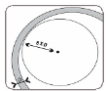
- SMPTE 292M standard – 1.50 Gb/s HDTV : max. length validated to **145 m.\***
- SMPTE 424M standard – 3.00 Gb/s HDTV : max. length validated to **105m.\***
- SMPTE 2081.1 standard – 6.00 Gb/s 4K UHDTV : max. length theoretical to **64 m.**

**\*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**



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

### Part nb

			
UHD0628PVC	4.60 mm	26.50	1000 m