



# Product Data Sheet

Percon VK 780 Silver+ UNG-4K Black - 500m

## Description



Silver+ Coaxial video cable for digital applications. Can carry serial data interface (SDI) and high definition television formats (HDTV) according to SMPTE 259M (270Mbps), ITU-R BT.601 (composite PAL at 177Mbps) ,SMPTE 292M (1,5Gbps) ,SMPTE 424M (Prog. Scan. HDTV/3G-SDI) , SMPTE ST2081 (QFHD) & SMPTE ST2082 (UHD-1). It is also used for analogue critical circuits. Perfect for installations in environments with interferences (power cables, transformers, electronic light controls (dimmers) or mobile phones) due to the high depth of penetration, the low transference impedance and the minimum DC resistance of its double shield (tinned copper braid 95%) that increases the reflections of the electric fields as well as the absorption of the magnetic fields, offering an attenuation over 90 dB before high, medium and low-frequency electromagnetic signals.

Available in reel size of 500m.

Product	SKU
PERCON VK 780 SILVER+ UNG-4K BLACK - 500M	AB-00-004



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## Technical Specification

Percon VK 780 Silver+ UNG-4K Black, 500m Specification	
<b>Conductor</b>	<b>Electrical Properties</b>
Solid Bare Electrolytic High Conductivity Silver Plated Copper (EHC CuAg) AWG 17	Velocity of propagation %: 84.21
<b>Insulation</b>	Nominal Delay ns/m: 3,954399715
Foam High Density FHDPE+ (GAS INJECTED+)	Nominal Impedance: $75 \pm 0,75 \Omega$
IEC 708	Nominal Capacitance PF/m: 53,3028
<b>Shields (2 shields)</b>	Max. Operation Voltage: 300
First Shield: Tinned copper Braid UNE 21-011	Nominal inductance $\mu\text{H}/\text{m}$ : 0,307809
Second Shield: Tinned copper Braid UNE 21-011	Conductor DC resistance $\Omega/\text{Km}$ : 18,5744
<b>General Jacket</b>	Shield DC resistance $\Omega/\text{Km}$ : 5,63363
$\varnothing$ 7.40 mm	<b>Cable Characteristics</b>
	Weight (Kg/Km): 100
	Colours: Black

## Attenuation

Freq (Mhz)	dB/100m
1	0,497
10	1,727
100	5,498
200	7,885
500	12,788
800	16,47

Freq (Mhz)	dB/100m
1000	18,533
1500	23,179
2250	28,865
3000	33,93
3500	36,648
4000	39,178



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Freq (Mhz)	dB/100m
4500	41,555
5000	43,80
6000	47,98

Freq (Mhz)	dB/100m
12000	67,854
18000	83,104

## Electrical Data

Minimum STRUCTURAL RETURN LOSS (SRL)	
Sweep	dB
50Mhz – 300Mhz	>31
300 Mhz – 3000 Mhz	>24
3000Mhz – 3500Mhz	>19
3500Mhz – 5000Mhz	>17