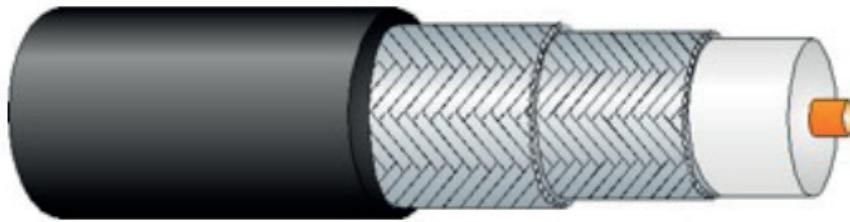




# Product Data Sheet

Percon VK 66 ENH+ Black - 500m

## Description



Coaxial video cable for digital mobile 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) and UHD-1/UHD-2. It is also used for analogue critical circuits offering over 100dB attenuation before electromagnetic interferences thanks to its double braided bare copper shield. Eca euroclass acc.to EN50575.

Available in black and reel size of 500m.

Product	SKU
PERCON VK 66 ENH+ BLACK - 500M	AB-00-001



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## Technical Specification

### Percon VK 66 ENH+ Black - 500m Specification

Conductor	Electrical Properties
Cu 7XAWG29 mm (AWG 20)	Velocity of propagation %: 74,5118
UNE 21-011	Delay ns/m: 4,4690
Insulation	Nominal Impedance: 75±2,5 Ω
Foam High Density FHDPE (GAS INJECTED)	Nominal Capacitance PF/m: 58,394
∅ 3.7 mm	Max. Operation Voltage: 300
IEC 708	Nominal inductance μH/m: 0,3464
Shields (2 shields)	Conductor DC resistance Ω/Km: 37,8845
First Shield: Braided CuSn 95% UNE 21-064	Shield DC resistance Ω/Km: 5,06987
Second Shield: Braided CuSn 95% UNE 21-064	Cable Characteristics
General Jacket	Suggested connectors: HDTV (HD-SDI): 5182-HDTVC
∅ 6.14 mm	Weight (Kg/Km): 70
PTC / CMR Eca EN 50575 (Construction Products Regulation)	Colours: Black

## Attenuation

Freq (Mhz)	dB/100m
1	-0.651
5	-1.958
10	-2.899
25	-4.695
71.5	-8.145
88.5	-9.014
270	-16.711

Freq (Mhz)	dB/100m
540	-24.222
720	-28.457
1500	-43.581
2000	-51.029
2250	-55.441
3000	-66.501



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## Electrical Data

SMITH CHART (300Khz-270Mhz)	
Frequency (Mhz)	Ohms ( $\Omega$ )
13,78	76,01
26,80	74,98
46,073	75,51
89,1	74,43
110,240	75,01
150,01	75,54

Minimum STRUCTURAL RETURN LOSS (SRL)	
Sweep	dB
5Mhz – 300Mhz	-24,12
300 Mhz-650 Mhz	-16,31
650Mhz – 1100Mhz	-15,01