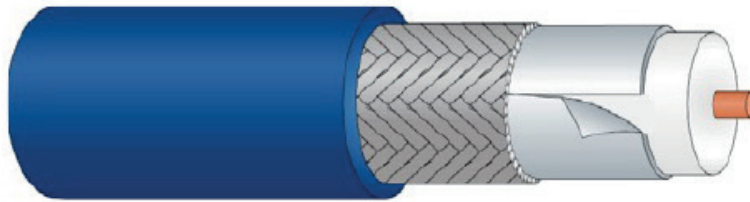




# Product Data Sheet

Percon VK 6/0.8 PVC Blue - 500m

## Description



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) and SMPTE 424M (Prog. Scan. HDTV). It is also used for analogue critical circuits offering over 100dB attenuation before electromagnetic interferences thanks to its triple shield of Aluminium-Polyester-Aluminium tape and a 90-95% tinned-copper braid. Dca,s2,d2,a1 euroclass acc.to EN50575.

Available in reel size of 500m.

Product	SKU
PERCON VK 6/0.8 PVC BLUE - 500M	AB-06-001



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Percon VK 6/0.8 PVC Blue - 500m

## Technical Specification

### Percon VK 6/0.8 PVC Blue - 500m Specification

Conductor	Electrical Properties
Cu $\varnothing$ 0,8mm (AWG 20)	Velocity of propagation %: 81,9
UNE 21-011	Nominal Delay ns/m: 4,05
Insulation	Nominal Impedance: $75 \pm 1 \Omega$
Foam High Density FHDPE (GAS INJECTED)	Nominal Capacitance PF/m: 54,043
$\varnothing$ 3.7 mm	Max. Operation Voltage: 300
IEC 708	Nominal inductance $\mu$ H/m: 0,305
Shields (2 shields)	Conductor DC resistance $\Omega$ /Km: 33,81
First Shield: 100 % Al/ PET/Al PE H199	Shield DC resistance $\Omega$ /Km: 13,71
Second Shield: 95 % CuSn UNE 21-064	Cable Characteristics
General Jacket	Weight (Kg/Km): 43
$\varnothing$ 6mm	Colours: Blue
PVC	

## Attenuation

Freq (Mhz)	dB/100m
1,003	-0,931
5,430	-2,023
24,886	-4,351
81,242	-7,210
120,288	-8,559
163,896	-9,861
211,261	-11,172

Freq (Mhz)	dB/100m
270,032	-12,673
540,028	-18,309
720,50	-21,428
1000	-25,483
2000	-36,584
3000	-41,344



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## Electrical Data

### SMITH CHART (300Khz-270Mhz)

Frequency (Mhz)	Ohms ( $\Omega$ )
4,117	75,43
51,614	74,74
101,09	74,19
159,167	75,33
215,204	74,62
264,084	74,17

### Minimum STRUCTURAL RETURN LOSS (SRL)

Sweep	dB
5Mhz – 300Mhz	-24,63
300 Mhz-650 Mhz	-20,52
650Mhz – 1100Mhz	-15,11