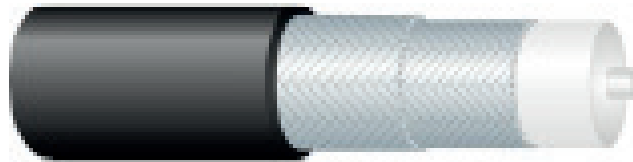




Product Data Sheet

Percon VK 680 Silver UND-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 680 SILVER UND-4K BLACK - 500M	AB-00-002



Product Data Sheet

Percon VK 680 Silver UND-4K Black - 500m

Technical Specification

Percon VK 680 Silver - 500 metre Specification

Conductor	Electrical Properties
Solid Bare Electrolytic High Conductivity Silver Plated Copper (EHC CuAg) AWG 19	Velocity of propagation %: 85
Insulation	Nominal Delay ns/m: 3.9161
Foam High Density FHDPE+ (GAS INJECTED+)	Nominal Impedance: $75 \pm 0.75 \Omega$
IEC 708	Nominal Capacitance PF/m: 52,92
Shields (2 shields)	Max. Operation Voltage: 300
First Shield: Tinned copper Braid UNE 21-011	Nominal inductance $\mu\text{H/m}$: 0,290
Second Shield: Tinned copper Braid UNE 21-011	Conductor DC resistance Ω/Km : 30,63
General Jacket	Shield DC resistance Ω/Km : 5,06987
\varnothing 6.14 mm	Cable Characteristics
	Weight (Kg/Km): 70

Attenuation

Freq (Mhz)	dB/100m
1,003	0,884
5,430	1,921
24,886	4,133
81,242	6,84
120,288	8,131
163,896	9,367
270,032	12,039

Freq (Mhz)	dB/100m
540,028	17,393
720,50	20,356
1000	24,208
2000	34,754
3000	39,276
3500	43,406
4000	48,646



Product Data Sheet

Percon VK 680 Silver UND-4K Black - 500m

Attenuation

Freq (Mhz)	dB/100m
4500	52,234
5000	57,224
6000	62,685

Freq (Mhz)	dB/100m
12000	88,651
18000	108,574

Electrical Data

Minimum STRUCTURAL RETURN LOSS (SRL)

Sweep	dB
5Mhz – 3000Mhz	23
3000 Mhz-3500 Mhz	21
3500Mhz – 5000Mhz	16