



Product Data Sheet

Percon VK 770F ENH+ PTC Black - 500m

Description



Digital coaxial video cable for 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) and SMPTE 424M (Prog. Scan. HDTV/3G-SDI) and UHD-1/UHD-2. Designed for mobile applications. Its high flexibility and its TPE-U jacket composed of polyurethane and rubber ensure resistance against cuts and prevents deformation caused by handling. Extremely low dielectric losses and high velocity of propagation thanks to its low dielectric constant. It is also used for analogue critical circuits offering over 100dB attenuation before electromagnetic interferences thanks to its double-braided tinned copper shield.

Available in reel size of 500m.

Product	SKU
PERCON VK 770F ENH+ PTC BLACK - 500M	AB-00-003



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Technical Specification

Percon VK 770F ENH+ PTC Black - 500m Specification	
Conductor	Electrical Properties
Flexible Electrolytic High Conductivity Copper (EHC Cu) AWG 16	Velocity of propagation %: 90,1670
UNE 21-011	Delay ns/m: 3.69314
Insulation	Nominal Impedance: $75 \pm 1 \Omega$
Foam High Density FHDPE+ (GAS INJECTED+)	Nominal Capacitance PF/m: 49.44025
\varnothing 4.80 mm	Max. Operation Voltage: 300
IEC 708	Nominal inductance μ H/m: 0,27694
Shields (2 shields)	Conductor DC resistance Ω /Km: 21
First Shield: Braided CuSn 95% UNE 21-064	Shield DC resistance Ω /Km: 4.21
Second Shield: Braided CuSn 98% UNE 21-064	Cable Characteristics
General Jacket	Weight (Kg/Km): 80
\varnothing 7.50 mm	Colours: Black

Attenuation

Freq (Mhz)	dB/100m
1	0.5
10	1.9
100	8.0
200	10.1
300	14.0
500	17.3

Freq (Mhz)	dB/100m
800	22
1000	25.8
1500	32
2250	41.6
3000	49
3500	54.4



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Freq (Mhz)	dB/100m
4000	57.1
4500	62.2

Freq (Mhz)	dB/100m
5000	67.1
6000	73.5

Electrical Data

Minimum STRUCTURAL RETURN LOSS (SRL)

Sweep	dB
50Mhz – 300Mhz	>26
300 Mhz – 3000 Mhz	>22
3000Mhz – 3500Mhz	>18
3500Mhz – 6000Mhz	>15