

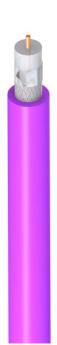




Tech Data

REF.: M10950

CABLE AND FIBRE OPTIC VIDEO DIGITAL VIDEO 3G VDK 7.0 (1.0×4.6)



Description

Digital Video Cable VDK 7.0 (1.0 × 4.6):

Bare copper conductor. Cellular Polyethylene insulation expanded by physical methods. Aluminium – Polyester – Aluminium foil shield. Tinned copper braid shield. PVC sheath.

Applications

Video Cable for Fixed and Mobile Installation. Coaxial cable for Digital and critical analogue applications.

It supports Serial Data transmission (*):

- Standard format SD-SDI/SDTV.
- High Definition format HD-SDI/HDTV.
- 3 Gig format 3G-SDI/ Prog. Scan HDTV.

Also earlier standards.

(*) See transmission distances in *Electrical Characteristics*.







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Physical Charact	eristics				
,	Conductor	Insulation			
DIGITAL VIDEO	Material: Bare Cu (Copper) AWG 18 Section 0.82 mm² Composition: 1×1.0 1st Shield Material: Al-PET-Al (Aluminium-Polyester-Aluminium) foil. Coverage: 100 %	Material: PEX-F (1) Cellular Polyethylene insulation expanded by physical methods. It allows holding its electrical characteristics over Diameter: 4.6 mm Colour: Natural 2nd Shield Material: CuSn (Tinned Copper) braid. Coverage: 95 %			
	Outer Sheath				
	Material: PVC (Polyvinyl Chloride) Diameter: 6.80 mm Colour:				
	Violet				







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Electrical Characteristics						
	Capacitance Characteristic Impedance Propagation Speed Insulation Resistance DC Shielding Resistance DC Conductor Resistance Test Voltage		53 pF/m 75 Ω ± 1% Ω >85 % >5000 M Ω ×Km 11.5 Ω /Km 21.1 Ω /Km 1500 V			
	Frequency (MHz)	Attenuation (d	B/100m)	Return loss (dB)		
DIGITAL VIDEO	1 5 10 50 100 500 1000 1500 2000	0.7 1.5 2.1 4.7 6.7 14.9 21.1 25.9 29.9		-20		
	Transmission distances					
	143 Mb/s Composite NTSC video 177 Mb/s Composite PAL video		466 m 414 m			
	270 Mb/s Component SMPTE 259M		334 m			
	360 Mb/s Component Widescreen SMPTE 259M			290 m		
	1.5 Gb/s HDTV SMPTE 292M		142 m			

3 Gb/s Prog. Scan HDTV SMPTE 424 M

100 m







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Mechanical Characteristics				
Approx. Weight	65 Kg/Km			
Temperature	-20/+70°C			
Min. bending radius	20 x Ø			
Mechanical Shock	AG2			
Environment				
RoHS (Restriction of Hazardous Substances)	Directive 2002/95/CE			
Applicable Regulations				
Conductor Material	UNE-EN 60228			
Insulating Material	UNE-EN 50290			







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CABLE AND FIBRE OPTIC
VIDEO
DIGITAL VIDEO 3G
VDK 7.0 (1.0×4.6)



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For possible changes due to continuous product improvements; Pínanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.