

## Tech Data

REF.: 4360

## CABLE AND FIBRE OPTIC

VIDEO  
DIGITAL VIDEO 3G  
VDK 8.0 (1.4×6.6)



### Description

#### Digital Video Cable VDK 8.0 (1.4 × 6.6):

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 Characteristics

DIGITAL VIDEO	<b>Conductor</b>	<b>Insulation</b>
	<b>Material:</b> Bare Cu (Copper) <b>Diameter</b> 1.4 mm <b>Section</b> 1.54 mm <sup>2</sup> <b>Composition:</b> 1×1.4	<b>Material:</b> PEX-F (1) Cellular Polyethylene insulation expanded by physical methods. It allows holding its electrical characteristics over time. <b>Diameter:</b> 6.5 mm <b>Colour:</b> Natural
	<b>1<sup>st</sup> Shield</b>	<b>2<sup>nd</sup> Shield</b>
	<b>Material:</b> Al-PET-Al (Aluminium-Polyester-Aluminium) foil. <b>Coverage:</b> 100 %	<b>Material:</b> CuSn (Tinned Copper) braid. <b>Coverage:</b> 95 %
	<b>Outer Sheath</b>	
<b>Material:</b> PVC (Polyvinyl Chloride) <b>Diameter:</b> 9.5 mm <b>Colour:</b> <div style="background-color: #4b4b8b; color: white; text-align: center; padding: 5px; margin-top: 10px;">Violet</div>		

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Mechanical Characteristics

Approximate Weight	116 Kg/Km
Temperature	-20/+80°C
Min. Bending Radius	50 mm

Electrical Characteristics

DIGITAL VIDEO	Insulation Resistance	>5000 M $\Omega$ ×Km
	Mutual Capacitance	54 pF/m
	Characteristic Impedance	75 $\Omega$
	Propagation Speed	83 %
	<b>Attenuation</b>	
	Frequency (MHz)	dB/100m
	71	4
	135	5.5
	270	7.5
	360	8.9
540	10.7	
750	14.8	
1500	20.1	
3000	30.3	
<b>Return Loss</b>		
Frequency (MHz)	Value (dB)	
5-1500	>25	
1500-3000	>20	

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Transmission Distance	
143 Mb/s Composite NTSC video	772 m
177 Mb/s Composite PAL video	703 m
270 Mb/s Component SMPTE 259M	570 m
360 Mb/s Component Widescreen SMPTE 259M	498 m
540 Mb/s Component Widescreen SMPTE 344M	399 m
1.5 Gb/s HDTV SMPTE 292M	148 m
3 Gb/s Prog. Scan HDTV SMPTE 424 M	104 m

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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For possible changes due to continuous product improvements; Pinanson 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.