Tech Data

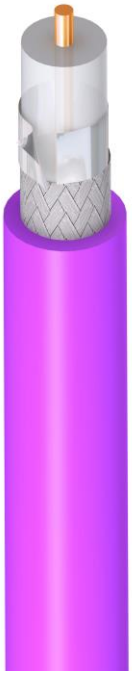
REF.: 4361

CABLE AND FIBRE OPTIC

VIDEO

DIGITAL VIDEO 3G

VDK 9.0 (1.6×7.2)



Description

Digital Video Cable VDK 9.0 (1.6 × 7.2):

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.*

Tech Data

REF.: 4361

CABLE AND FIBRE OPTIC

VIDEO

DIGITAL VIDEO 3G

VDK 9.0 (1.6×7.2)

Physical Characteristics

DIGITAL VIDEO

Conductor	Insulation
Material: Bare Cu (Copper) **Diameter** 1.6 mm **Section** 2 mm^2 **Composition:** 1×1.4	**Material:** PEX-F (1) Cellular Polyethylene insulation expanded by physical methods. It allows holding its electrical characteristics over time. **Diameter:** 7.2 mm **Colour:** Natural

1st Shield	2nd Shield
Material: Al-PET-Al (Aluminium-Polyester-Aluminium) foil. **Coverage:** 100 %	**Material:** CuSn (Tinned Copper) braid. **Coverage:** 90 %

Outer Sheath

Material:
PVC (Polyvinyl Chloride)
Diameter:
10.1 mm
Colour:

Violet

Tech Data

REF.: 4361

CABLE AND FIBRE OPTIC

VIDEO

DIGITAL VIDEO 3G

VDK 9.0 (1.6×7.2)

Mechanical Characteristics

Approximate Weight	121 Kg/Km
Temperature	-20/+80°C
Min. Bending Radius	105 mm

Electrical Characteristics

DIGITAL VIDEO

Max. Resistance (Conductor)	8.3 Ω Ω/Km
Max. Resistance (Shield)	7.4 Ω /Km
Insulation Resistance	>5000 M Ω×Km
Mutual Capacitance	53 pF/m
Characteristic Impedance	75 Ω Ω
Delay Time	3.96 ns/m
Cut-off Frequency	18.1 GHz
Propagation Speed	84 %

Attenuation

Frequency (MHz)	dB/100m
1	0.4
10	0.9
50	1.3
100	3.1
200	4.4
500	9.8
800	13.8
1000	16.9
2000	19.6
3000	24.4

Return Loss

Frequency (MHz)	Value (dB)	Limit (dB)
0-800	-26	-25
800-3000	-17	-15

Tech Data

REF.: 4361

CABLE AND FIBRE OPTIC

VIDEO

DIGITAL VIDEO 3G

VDK 9.0 (1.6×7.2)

	Transmission Distance	
	143 Mb/s Composite NTSC video	778 m
	177 Mb/s Composite PAL video	702 m
	270 Mb/s Component SMPTE 259M	564 m
	360 Mb/s Component Widescreen SMPTE 259M	488 m
	540 Mb/s Component Widescreen SMPTE 344M	240 m
	1.5 Gb/s HDTV SMPTE 292M	198 m
	3 Gb/s Prog. Scan HDTV SMPTE 424 M	170 m
Environment		
RoHS (*Restriction of Hazardous Substances*)	Directive 2002/95/CE	
Applicable Regulations		
Conductor Material	UNE-EN 60228	
Insulating Material	UNE-EN 50290	

Tech Data

REF.: 4361

CABLE AND FIBRE OPTIC

VIDEO

DIGITAL VIDEO 3G

VDK 9.0 (1.6×7.2)

Web: www.pinanson.com
@:pinanson@pinanson.com

PINANSON S.L
Avda. Constitucion, 40. Mondejar (Guadalajara). SPAIN.
Telephone: +34 949 385 444 · Fax: +34 949 385 643

Review: September 2013