

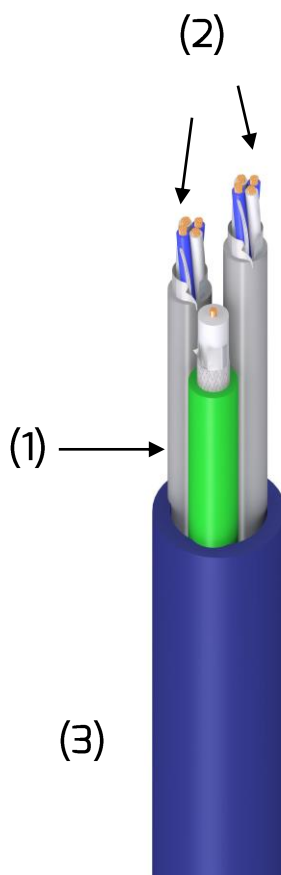
Tech Data

REF.: M.0024

CABLE AND FIBRE OPTIC

HYBRID

2 DIGITAL AUDIO + 1 DIGITAL VIDEO VDK 5.0 (0.6X2.8)



Description

- (1) **1 Digital Video (0.6 × 2.8):** Bare copper conductor. Polyethylene insulation. Aluminium – Polyester – Aluminium foil shield. Tinned copper braid shielded. PVC individual sheath.
- (2) **2 Digital Audio:** Bare copper conductor. Cellular Polyethylene insulation. Twisted. Tinned copper drain wire per pair. Individual Aluminium – Polyester foil shield per pair. PVC sheath per pair.
- (3) **GENERAL:** Wired. Overall polyester foil. PVC-NBR Outer sheath.

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Physical Characteristics

	Conductor	Insulation
	Material: CuSn (Tinned Copper) Section: 0.28 mm ² Composition: 1×0.6	Material: PEX-F (1) Expanded by physical means cellular Polyethylene. Diameter: 2.80 mm Colour: Natural
	1st Shield	2nd Shield
DIGITAL VIDEO	Material: AL-PET-AL (Aluminium-Polyester-Aluminium) foil. Coverage: 100 %	Material: CuSn (Tinned Copper) braid. Coverage: 90 %
	Individual Sheath	
	Material: PVC (Polyvinyl Chloride) Diameter: 4.5 mm Colour: Green	

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DIGITAL AUDIO	Conductor	Insulation
	Material Cu (Copper) Section: 0.22 mm ² AWG 24 Composition: 7 × 0.2 mm	Material Cellular PE (Polyethylene) Diameter 1.40 mm Colour Red White
	Drain wire	Wired
	Material CuSn (Tinned copper) Section 0.22 mm ² Drain wire 24 Composition: 7× 0.20mm	2 Conductors + Drain wire Approx. Step 51 mm
	Individual Shield	
	Material: AL-PET foil (Aluminium-Polyester) Coverage 100%	
	Individual Sheath	
Material: PVC (Polyvinyl Chloride) Diameter: 3.7 mm Colour: Gris		

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	Outer Sheath
GENERAL	<p>Material: PVC-NBR (Polyvinyl Chloride and an acrylonitrile butadiene copolymer, exceptional resistance to ozone.</p> <p>Protection: PET (Polyester) foil</p> <p>Diameter: 11.10 mm</p> <p>Colour: RAL 5013</p>

Mechanical Characteristics

Approx. Step	140.5 Kg/Km
Temperature	-20/+70°C
Min. bending radius	222 mm

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Electrical Characteristics

Max. Resistance at 20°C	62.8 Ω/Km
Max. Resistance at 20°C (shield)	18.3 Ω/Km
Nominal Capacitance	54 pF/m
Impedance	75 Ω
Propagation Speed	81%
Nominal Delay	4.11 ns/m
Cutoff Frequency	45.5 %
Insulation Resistance	>5000 MΩ×Km
Test Voltage	1500 V

Attenuation

DIGITAL VIDEO

Frequency (MHz)	dB/100m
1	1.1
10	3.6
50	8.0
100	11.3
200	16.0
500	25.3
800	32.0
1000	35.8
2000	50.7
3000	62.1

Return Loss

Frequency (MHz)	dB
0-800	20
800-1000	23

Transmission Distances

143 Mb/s Composite NTSC video	271 m
177 Mb/s Composite PAL video	243 m
270 Mb/s Component SMPTE 259M	197 m
360 Mb/s Component Widescreen SMPTE 259M	171 m
1.5 Gb/s HDTV SMPTE 292M	84 m
3 Gb/s Prog. Scan HDTV SMPTE 424 M	59 m

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DIGITAL AUDIO	Max. Resistance at 20°C	82.3 Ω/Km
	Max. Resistance at 20°C (shield)	62.6 Ω/Km
	Nominal Capacitance	43 pF/m
	Impedance	110 Ω ± 15%
	Propagation Speed	80%
	Insulation Resistance	>1000 MΩ×Km
	Voltage test	1500 V

Environment

Rejection of Hazardous Substances	Directive 2002/95/CE
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Normative

Material of Conductor	UNE-EN 60228
Insulating Material	UNE-EN 50290

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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

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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.

