

Tech Data

REF.: 692

CABLE AND FIBRE OPTIC VIDEO TRIAx 8 FLEXIBLE

Description



Triax 8 cable

Silvered copper conductor. Cellular Polyethylene insulation expanded by physical methods. Silvered copper braid 1st shield. Thermoplastic elastomer inner sheath. Copper braid 2nd shield. PVC outer sheath.

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CABLE AND FIBRE OPTIC
VIDEO
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Applications

Triaxial video cable for connection of professional cameras with their control and monitor equipment. Digital and Analogue applications.

(*) See Transmission distances in *Physical Characteristics*

Physical Characteristics

DIGITAL VIDEO	Conductor	Insulation
	Material: Silvered Cu (Copper) Composition: 9×0.28	Material: PEX-F (1) Cellular Polyethylene insulation expanded by physical methods. It allows holding its electrical characteristics over Diameter: 4.50 mm Colour: Natural
	1st Shield	2nd Shield
	Material: Silvered copper (Cu) braid Coverage: 90 %	Material: Cu (Copper) braid. Coverage: 80 %
	Inner Sheath	Outer Sheath
	Material: TPE (thermoplastic elastomer) Diameter: 6.0 mm	Material: PVC (Polyvinyl Chloride) Diameter: 8.50 mm Colour: RAL 3020 Red

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Mechanical Characteristics

Approximate Weight	95 Kg/Km
Temperature	-20/+80°C
Min. Bending Radius	61 mm

Electrical Characteristics

Characteristic Impedance	75 Ω
Mutual Capacitance	54 pF/m
Propagation Speed	82%
Conductor Ohm. Resistance	31.1 Ω /Km
1 st Shield Ohm. Resistance	9.9 Ω /Km
2 nd Shield Ohm. Resistance	8.7 Ω /Km
Insulation Resistance	>10000 M Ω ×Km

Attenuation

DIGITAL VIDEO	Frequency (MHz)	dB/100m
	1	0.8
	10	2.4
	20	3.4
	40	4.9
	50	5.5
	60	6.0
	100	7.7
	300	13.3
	750	21.1
	1500	29.9

Return Loss

Frequency (MHz)	Value (dB)
0-100	>26
100-300	>23

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 VIDEO**

TRIAx 8 FLEXIBLE

Transmission Distance	
<i>143 Mb/s Composite NTSC video</i>	401 m
<i>177 Mb/s Composite PAL video</i>	362 m
<i>270 Mb/s Component SMPTE 259M</i>	290 m
<i>360 Mb/s Component Widescreen SMPTE 259M</i>	253 m
<i>540 Mb/s Component Widescreen SMPTE 344M</i>	123 m
<i>1.5 Gb/s HDTV SMPTE 292M</i>	101 m
<i>3 Gb/s Prog. Scan HDTV SMPTE 424 M</i>	87 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.