

Tech Data

REF.: 690

CABLE AND FIBRE OPTIC

VIDEO

TRIAX 11 FLEXIBLE



Description

Triax 11 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.

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*

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Physical Characteristics

DIGITAL VIDEO	Conductor		Insulation	
	Material: Silvered Cu (Copper) Composition: 19×0.28		Material: PEX-F (1) Cellular Polyethylene insulation expanded by physical methods. It allows holding its electrical characteristics over Diameter: 6.50 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: 8.50 mm		Material: PVC (Polyvinyl Chloride) Diameter: 11.00 mm Colour: RAL 3020 Red	

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Mechanical Characteristics

Approximate Weight	147 Kg/Km
Temperature	-20/+80°C
Min. Bending Radius	65 mm

Electrical Characteristics

DIGITAL VIDEO	Characteristic Impedance	75 Ω
	Mutual Capacitance	54 pF/m
	Propagation Speed	82%
	Conductor Ohm. Resistance	14.7 Ω /Km
	1 st Shield Ohm. Resistance	7 Ω /Km
	2 nd Shield Ohm. Resistance	7.3 Ω /Km
	Insulation Resistance	>10000 M Ω ×Km
	Attenuation	
	Frequency (MHz)	dB/100m
	1	0.5
10	1.7	
20	2.4	
40	3.4	
50	3.8	
60	4.1	
100	5.3	
300	9.2	
750	14.6	
1500	20.6	
Return Loss		
Frequency (MHz)	Value (dB)	
0-100	>26	
100-300	>23	

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Transmission Distance	
143 Mb/s Composite NTSC video	508 m
177 Mb/s Composite PAL video	522 m
270 Mb/s Component SMPTE 259M	420 m
360 Mb/s Component Widescreen SMPTE 259M	367 m
540 Mb/s Component Widescreen SMPTE 344M	178 m
1.5 Gb/s HDTV SMPTE 292M	148 m
3 Gb/s Prog. Scan HDTV SMPTE 424 M	126 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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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.