

## Tech Data

## CABLE AND FIBRE OPTIC

### AUDIO INSTRUMENT

#### Description



Oxygen free Copper conductor. Cellular Polypropylene insulation. Semiconductor shield. Bare copper spiral shield. PVC – NBR outer sheath.

#### Applications

Audio Instrument cable.

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### Physical Characteristics

Conductor	Insulation	Semiconductor Shield
<b>Material:</b> Oxygen Free Copper <b>Section</b> 0.20 mm <sup>2</sup> <b>Composition:</b> 25 X 0.1	<b>Material:</b> Digilene <b>Diameter:</b> 2 mm <b>Colour:</b> Natural	<b>Material:</b> PVC (Polyvinyl Chloride) semiconductor <b>Diameter</b> 2.45 mm <b>Colour:</b> <b>Black</b>
Sheath		Shield
<b>Material:</b> PVC – NBR (Polyvinyl Chloride and an acrylonitrile butadiene copolymer, exceptional resistance to ozone). <b>Diameter:</b> 6.8 mm <b>Colour:</b> <b>Green, Yellow, Red, Blue and Black</b>		<b>Material:</b> Bare Cu (Copper) spiral <b>Coverage:</b> 100%

### Mechanical Characteristics

**Approximate Weight:**  
 56.5 Kg/Km  
**Nominal Temperature:**  
 -20/+80 °C  
**Min. Bending Radius:**  
 136 mm

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#### Electrical Characteristics

Max. Resistance at 20°C (Conductor)	87.8 $\Omega$ /km
Max. Resistance at 20°C (Shield)	31.2 $\Omega$ /Km
Insulation Resistance	>10000 $M\Omega \times Km$
Impedance	54 $\Omega$
Capacitance	83 pF/m
Propagation Speed	75%
Test Voltage	1500 V

#### Attenuation

Frequency (MHz)	dB/100 m
1	2.1
3	3.6
5	4.7
10	6.6
30	11.5
50	14.9
100	21.0
300	36.4
500	47.0
1000	66.5

#### Return Loss

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

#### References

Colour	REF
Black	2544
Red	2545
Green	2546
Blue	2547
Yellow	2548

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### Environment

Heavy Materials Content REF: Directive 2002/95/CE

### Applicable Regulation

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.