

## Tech Data

## CABLE AND FIBRE OPTIC

### AUDIO

### MULTICORE AES/EBU LSOH

#### Description



Bare copper conductor. Foam cellular PE insulation. Twisted. Tinned copper drain wire per pair. Aluminium-Polyester foil shielded. LSOH individual sheath. Wired. LSOH outer sheath.

#### Applications

Audio multicore for fixed and mobile installations. Multicore for transmission of digital and analogue audio signal.

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## Physical Characteristics

AUDIO AES/EBU

Conductor	Insulation
<b>Material:</b> Bare Cu (Copper) <b>Section:</b> 0.22 mm <sup>2</sup> <b>Composition:</b> 7×0.2 <b>AWG</b> 24	<b>Material:</b> Cellular PE (Polyethylene) <b>Diameter:</b> 1.4 mm <b>Colour:</b> <div> <div>White</div> <div>Red</div> </div>
Twisted	Individual Shield
<b>Composition:</b> 2 conductors + drain wire <b>Approx. Step:</b> 51 mm	<div> <div> <b>Drain Wire</b>  <b>Material:</b> CuSn (Tinned copper)  <b>Section:</b> 0.22 mm<sup>2</sup>  <b>AWG:</b> 24  <b>Composition:</b> 7×0.2               </div> <div> <b>1<sup>st</sup> Shield</b>  <b>Material:</b> Aluminium-Polyester foil  <b>Coverage:</b> 100 %               </div> </div>
Individual Sheath	Outer Sheath
<b>Material:</b> LSOH <b>Diameter:</b> 3.70 mm <b>Colour:</b> <div>Grey</div>	<b>Material:</b> LSOH low Smoke zero halogens <b>Colour:</b> <div>BLACK</div>

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#### Mechanical Characteristics

PAIRS	Approx. WEIGHT	DIAMETER	Min. Bending RADIUS
8	191.4 Kg/Km	14.2 mm	284 mm

Nominal Temperature  
-5/+70 °C

#### Electrical Characteristics

Max. Ohm. Resistance (Conductor)	82.3 $\Omega$ /Km
Max. Ohm. Resistance (Shield)	58.8 $\Omega$ /Km
Insulation Resistance	>1000 M $\Omega \times$ Km
Mutual Capacitance	40 pF/m
Impedance	110 $\Omega$
Propagation Speed	80 %
Test Voltage	1500 V

#### Environment

RoHS ( <i>Restriction of Hazardous Substances</i> )	Directive 2002/95/CE
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#### Applicable Normative

No flame propagation	IEC-60332-1/IEC-60332-2/IEC-60332-3
No emission of toxic smokes or halogens	IEC-754-1
No corrosive smokes	IEC-754-2
Low corrosive smokes	IEC-1034-1
AES 3 -2003	AES/EBU digital audio standard for twisted pair

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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.