

Product: [70055](#) 



12 Pair AES/EBU, 26AWG, ISTP, LSZH

Product Description

DIGITAL AUDIO 12 PAIR AES/EBU, 26AWG/0.14mm², ISTP, LSZH

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	Digital multi-modulation cable used in professional studios for the transmission of analogue and digital audio signals; Designed to meet the requirements of the AES/EBU specification

Physical Characteristics (Overall)

Conductor					
AWG	Stranding	Material	Cross Section	Construction n x D	No. of Pairs
26	7x34	BC-OFHC - Bare Copper, Oxygen Free High Conductivity	0.14 mm²	7x0.15 mm	12
Conductor Count:		24			
Total Number of Pairs:		12			

Insulation			
Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.10 mm	0.03 mm

Color Chart	
Number	Color
Pair 1 t/m 12	White & Blue

Inner Shield Material					
Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Alum / Poly	Beldfoil®	100 %	Stranded tinned copper	26	7x0.16 mm
InnerShield, Table Note:		Aluminum inside			

Inner Jacket Material		
Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen flame retardant	2.90 mm	0.10 mm
InnerJacket, Table Note:		Elements are numbered for identification

Outer Shield Material					
Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	100 %	TC - Tinned Copper	26	7x0.16 mm

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen flame retardant	14.70 mm	1.30 mm

Construction and Dimensions

Description	Filler
3 fillers + 12 pairs	Cotton (3x)

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
134.0 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
40 pF/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance	Nominal Characteristic Tolerance
0.1 - 6	110 Ohm	+/- 15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
80 %

Temperature Range

Other Temp Range:	-30 to +70 °C
-------------------	---------------

Mechanical Characteristics

Min Bend Radius During Installation:	147 mm
Min Bend Radius During Operation:	220.5 mm

Standards

CPR Euroclass:	Eca
----------------	-----

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
---------------------------------------	------------

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
70055.00500	Violet	500 m
70055.009999	Violet	499 m

History

Update and Revision:	Revision Number: 0.146 Revision Date: 04-08-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.