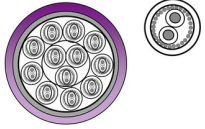


Product: [BE46205](#) 



12 PAIR AES/EBU, 26AWG, ISTP, FLEX, LSZH, STAGE

Product Description

12 PAIR AES/EBU, 26AWG/0.14mm², ISTP, FLEX, LSZH, STAGE

Technical Specifications

Product Overview

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; The cable is very flexible and has a small outer diameter for use in applications where space is limited
------------------------	---

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	7x34	TC - Tinned Copper	0.14 mm ²	7x0.16 mm

Conductor Count: 24

Total Number of Pairs: 12

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.1 mm	0.03 mm

Color Chart

Number	Color
Pair 1 t/m 12	White & Blue

Inner Shield

Type	Material	Nominal Diameter	Min. Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	2.40 mm	90%

Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
Nylon	2.8 mm	0.1 mm

Outer Shield

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Tinned Copper (TC)	10.8 mm	90%

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	12.8 mm	0.5 mm

Construction and Dimensions

Cabling

Description
12 pairs covered with 2 non-woven separating foils

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
130 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
50 pF/m

Impedance

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

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	2.3 dB/100m
6 MHz	9.5 dB/100m
10 MHz	16 dB/100m

Delay

Nominal Velocity of Propagation (VP) [%]
60%

Temperature Range

Other Temp Range:	-25 to +70 °C
-------------------	---------------

Mechanical Characteristics

Min. Bend Radius During Installation:	128 mm
Min. Bend Radius During Operation:	192 mm

Applicable Environmental and Other Programs

Environmental Space:	Indoor
----------------------	--------

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
BE46205.00250	Purple	Reel	250 m	8719605026811
BE46205.00500	Purple	Reel	500 m	8719605026828

History

Update and Revision:	Revision Number: 0.162 Revision Date: 02-03-2025
----------------------	--

© 2025 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.