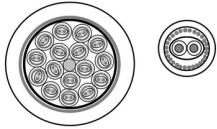# BELDEN

Product: BE46305 ☑

AUDIO ANALOG 16 PAIR, 26AWG, ISTP, PVC, STAGE

Product Description

ANALOG AUDIO 16 PAIR, 26AWG/0.14mm², ISTP, PVC, STAGE

Technical Specifications

Product Overview

Suitable Applications:	The Belden 46-analog-series is a flexible audio snake cable with an overall braid shield; This makes the cable suitable for mobile applications; Jacketed pairs are individually numbered for easy identification

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	18x38	TC - Tinned Copper	0.14 mm²	18x0.10 mm

Conductor Count:	32
Total Number of Pairs:	16

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene	1.05 mm	0.05 mm

Color Chart

Number	Color
Pair 1 t/m 16	Red & White

Inner Shield

Type	Material	Min. Coverage [%]
Tape	Polyester	
Spiral Serve / Screen	Tinned Copper (TC)	90%

Inner Jacket

Material	Color	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	Gray (like RAL 7001)	3.05 mm	0.10 mm

Table Notes:	Elements numbered 1 - 16

Outer Shield

Type	Material	Min. Coverage [%]
Braid	Tinned Copper (TC)	80%

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	18.00 mm	0.50 mm

Table Notes:	Flexible Matte Finish Sheath

Construction and Dimensions

Cabling

Description	Filler
1 center filler + 16 pairs covered with a non-woven separating foil	Filler (2.9 mm)

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
260 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
70 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
90 Ohm	+/- 20 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66%

Temperature Range

Installation Temperature Range:	-5°C To +70°C
Storage Temperature Range:	-30°C To +70°C
Other Temp Range:	-30 to +70 °C

Mechanical Characteristics

Min. Bend Radius During Installation:	180 mm
Min. Bend Radius During Operation:	270 mm

Standards

CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
BE46305.00250	Black	Reel	250 m	8719605027146
BE46305.00500	Black	Reel	500 m	8719605027153

History

Update and Revision:	Revision Number: 0.169 Revision Date: 02-03-2025