

Product: [433945](#) 

Analog Video/CCTV Applications



Product Description

Analog Video & CCTV Cable, Coax 6/U, 18 AWG solid bare copper, foamed polyethylene core, 95% bare copper braid, LSZH jacket

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	ANALOG VIDEO/CCTV; The cable is suitable for indoor use

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	1.02 mm	1

Conductor Count:	1
------------------	---

Insulation

Type	Material	Nominal Diameter
Dielectric	FPE - Foamed Polyethylene	4.57 mm

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	6.75 mm	0.7 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
21 Ohm/km	16.4 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield
53.4 pF/m

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.78 dB/100m
10 MHz	2.1 dB/100m
50 MHz	4.92 dB/100m

100 MHz	6.56 dB/100m
200 MHz	9.51 dB/100m
400 MHz	13.8 dB/100m
700 MHz	18.4 dB/100m
900 MHz	21 dB/100m
1000 MHz	23 dB/100m

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
400 ns/ft	83 %

Voltage

Voltage Rating [V]
300 V RMS

Temperature Range

Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-30°C To +70°C

Mechanical Characteristics

Max Recommended Pulling Tension:	30 N
Min Bend Radius (W/o Pulling Strength):	33.75 mm
Min Setting Radius:	67.5 mm

Standards

CPR Euroclass:	Eca
RG Type:	6/U Type

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01
---------------------------------------	------------

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
433945.01500	Black	500 m
433945.00100	Gray	100 m
433945.00500	Gray	500 m

History

Update and Revision:	Revision Number: 0.155 Revision Date: 02-14-2020
----------------------	--

© 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.