Part Number: 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
Conductor Size:	18 AWG

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	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	Grey	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, LS0H, 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
433945.01500	Black
433945.00100	Gray, RAL 7001
433945.00500	Gray, RAL 7001

History

Revision Number:	6

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