Part Number: 443945

Analog Video/CCTV Applications



Product Description

Analog Video/CCTV, Coax 59/U, IEC60332-1, 20 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
20	Solid	BC - Bare Copper	0.81 mm	1

Conductor Count:	1
Conductor Size:	20 AWG

Insulation

Type	Material	Nominal Diameter
Dielectric	FPE - Foamed Polyethylene	3.68 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	5.9 mm	0.8 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
32.8 Ohm/km	11.484 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield
53.5 pF/m

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.98 dB/100m
5 MHz	2.13 dB/100m

10 MHz	2.95 dB/100m
50 MHz	6.23 dB/100m
100 MHz	8.53 dB/100m
200 MHz	11.8 dB/100m
400 MHz	16.4 dB/100m
700 MHz	23 dB/100m
900 MHz	26.2 dB/100m
1000 MHz	27.9 dB/100m

Delay

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

Temperature Range

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

Mechanical Characteristics

Min Bend Radius (W/o Pulling Strength):	29.5 mm
Min Setting Radius:	59 mm

Standards

CPR Euroclass:	Eca
RG Type:	59/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

Part Number

Variants

Item #	Color
443945.01305	Black
443945.011524	Black
443945.00100	Gray, RAL 7001
443945.00500	Gray, RAL 7001
443945.00999	Gray, RAL 7001

History

Revision Number:	6

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