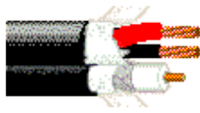


Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

5399X5 Composite - Surveillance and CCTV Applications



For more Information
please call

1-800-Belden1



Description:

Coax: 18 AWG solid bare copper conductor, foam polyolefin insulation, bare copper braid shield (95% coverage), water resistant tape; Pair: 16 AWG stranded bare copper conductors, PVC insulation, water resistant tape; overall PVC jacket

Coax

Physical Characteristics

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	4.572

Separator

Outer Jacket Separator Material: Water resistant tape (over braid, under jacket)

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)
Braid	BC - Bare Copper	95

Overall Diameter

Overall Nominal Diameter: 7.087 mm

Applicable Specifications and Agency Compliance

Applicable Standards & Environmental Programs

EU CE Mark: Yes

RG Type: 6/U

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.480

Nominal Velocity of Propagation:

VP (%)
83.000

Nominal Delay:

Delay (ns/m)
4.003

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
20.998

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
10.171

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.656
5.000	1.476
10.000	2.100
50.000	4.790
100.000	6.890
200.000	9.843
400.000	14.108
700.000	19.030
900.000	21.983
1000.000	23.295

Max. Operating Voltage - UL: 350 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	16	19	BC - Bare Copper	1.448

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.956

Twisted Pair Color Code Chart:

Number	Color
1	Black and Red

Separator

Separator Material: Water resistant tape (over pair, under jacket)

Overall Diameter

Overall Nominal Diameter: 5.969 mm

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
78.744

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
13.124

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Revision Number: 2 Revision Date: 11-05-2009

© 2010 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.