**ENGLISH MEASUREMENT VERSION** 



# 5499X5 Composite - Surveillance and CCTV Applications



For more Information please call

1-800-Belden1



## **Description:**

Coax: 20 AWG solid bare copper conductor, gas-injected foam polyethylene insulation (95% coverage), water resistant tape. Pair: 18 AWG stranded (7x26) bare copper conductor, PVC insulation, water resistant tape, overall PVC jacket.

# **Usage (Overall)**

Suitable Applications:

Siamese, Low Voltage, CCTV, Sunlight Resistant, Moisture Resistant

#### Coax

#### **Physical Characteristics**

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	0.032

#### Insulation

#### Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.145

## **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: 0.249 in.

# **Applicable Specifications and Agency Compliance**

## **Applicable Standards & Environmental Programs**

EU CE Mark: Ye

#### **Electrical Characteristics**

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Inductance:

Inductance (µH/ft) 0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 16.300

Nominal Velocity of Propagation:

**VP (%)** 83.000

**Nominal Delay:** 

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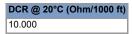




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Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.650
10.000	0.900
50.000	1.900
100.000	2.600
200.000	3.600
400.000	5.000
700.000	7.000
900.000	8.000
1000.000	8.500

Max. Operating Voltage - UL:

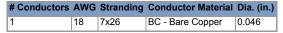
300 V RMS

#### **Twisted Pair**

#### **Physical Characteristics**

#### Conductor

AWG:

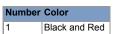


#### Insulation

**Insulation Material:** 



**Twisted Pair Color Code Chart:** 



#### **Separator**

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

### **Overall Diameter**

Overall Nominal Diameter: 0.222 in.

#### **Electrical Characteristics**

Max. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 30.000

# **Physical Characteristics (Overall)**

#### Conductor

**Outer Shield** 

**Outer Shield Material:** 

Outer Shield Material Unshielded

#### **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material
PVC - Polyvinyl Chloride

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#### **Overall Cable**

**Overall Nominal Diameter:** 0.249 x 0.506 in.

Mechanical	Characteristics (	(Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	55 lbs/1000 ft.
Max. Recommended Pulling Tension:	102 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

## **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
NEC/(UL) Rating:	800
CEC/C(UL) Specification:	СМ
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/22/2007
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
ame Test	
UL Flame Test:	UL1685 UL Loading
C(III.) Flamo Toet:	ET1

#### Fla

	UL Flame Test:	UL1685 UL Loading		
	C(UL) Flame Test:	FT1		
Su	Suitability			
	Suitability - Indoor:	Yes		
	Suitability - Outdoor:	Yes		
	Sunlight Resistance:	Yes		

#### Plenum/Non-Plenum

Plenum (Y/N): No

#### **Related Documents:**

No related documents are available for this product

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5499X5 0101000	1,000 FT	66.000 LB	BLACK	С	1 #18 PR, 1 RG-59/U COAX

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 01-07-2011

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