# **Detailed Specifications & Technical Data**





## 579945 Composite - CCTV Plus Audio or Powr or Pan and Tilt CCTV Control Applications



For more Information please call

1-800-Belden1



## **Description:**

25 AWG bare copper conductor, foam polyolefin insulation, bare copper braid shield, PVC jacket

#### Coax

## **Physical Characteristics**

#### Conductor

AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
1	25	Solid	BC - Bare Copper	0.018

#### Insulation

**Insulation Material:** 

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.085

#### **Inner Shield**

Inner Shield Material:

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

## **Electrical Characteristics**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



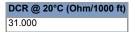
**Nominal Velocity of Propagation:** 

**VP (%)** 80.000

**Nominal Delay:** 

**Delay (ns/ft)** 1.270

Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.450
5.000	0.900
10.000	1.300

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50.000	3.000
100.000	4.100
200.000	6.000
400.000	8.600
700.000	11.600
900.000	13.500
1000.000	14.500

#### **Twisted Pair**

## **Physical Characteristics**

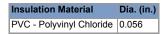
Conductor

AWG:

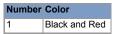
# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
1	20	7x28	BC - Bare Copper	0.038

#### Insulation

Insulation Material:



#### **Twisted Pair Color Code Chart:**



## **Inner Shield**

Inner Shield Material:



#### **Electrical Characteristics**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 26.000

## **Physical Characteristics (Overall)**

Conductor

**Outer Jacket** 

**Outer Jacket Material:** 

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.151 in.

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	27.000 lbs/1000 ft.
Max. Recommended Pulling Tension:	40.000 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

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

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
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):	04/01/2005

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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
Flame Test	
UL Flame Test:	UL1685 UL Loading
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	679948

#### **Electrical Characteristics (Overall)**

Max. Operating Voltage - UL:

Voltage 300 V RMS

## **Related Documents:**

No related documents are available for this product

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
579945 0091000	1,000 FT	29.000 LB	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 009500	500 FT	15.000 LB	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 0101000	1,000 FT	29.000 LB	BLACK	С	1 #20 PR,1#25 COAX PVC PARA

#### Notes:

C = CRATE REEL PUT-UP.

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