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1-800-Belden1



## Description:

22 AWG stranded (7x30) conductors, foam polyethylene (coax) and PVC (Pairs) insulation, coax w/BC braid shield (95% cverage), (3) STP, each pair w/Beldfoil shield, 22 AWG drain wire, PVC jacket.

## Coax

### Physical Characteristics

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	BC - Bare Copper	0.030

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	0.146

#### Inner Shield

Inner Shield Material:

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

### Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs

EU CE Mark:	No
RG Type:	59/U

### Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.090

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.300

Nominal Velocity of Propagation:

VP (%)
78.000

Nominal Delay:

Delay (ns/ft)
1.300

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.600

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.700
10.000	1.000
50.000	2.100
100.000	3.000
400.000	7.400

## Twisted Pair

### Physical Characteristics

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3	22	7x30	TC - Tinned Copper	0.030

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	0.054

#### Inner Shield

**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

**Inner Shield Drain Wire AWG:**

AWG	Stranding	Dia. (in.)	Conductor Material
22	7x30	0.030	TC - Tinned Copper

#### Inner Jacket

**Inner Jacket Color Code Chart:**

Number	Color
1	Black and Red
2	Orange and Brown
3	Green and White

### Electrical Characteristics

**Nom. Characteristic Impedance:**

Impedance (Ohm)  
35

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
51.000

**Nominal Velocity of Propagation:**

VP (%)  
58.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
11.000

## Physical Characteristics (Overall)

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material  
PVC - Polyvinyl Chloride

### Overall Cable

## 9165 Composite - ENG, EFP and CCTV Cable

Overall Nominal Diameter:	0.290 x 0.561 in.
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**Mechanical Characteristics (Overall)**

Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	83.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	147 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CL2X
AWM Specification:	UL Style 20006
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Max. Operating Voltage - UL:**

<b>Voltage</b>
30 V RMS

**Notes (Overall)**

**Notes:** Siamese Type Construction.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9165 0101000	1,000 FT	94.000 LB	BLACK	C	3 SH PR#22,1 75 OHM COAX
9165 010500	500 FT	50.000 LB	BLACK	C	3 SH PR#22,1 75 OHM COAX

**Notes:**  
C = CRATE REEL PUT-UP.

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## 9165 Composite - ENG, EFP and CCTV Cable

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