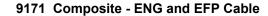
**ENGLISH MEASUREMENT VERSION** 







For more Information please call

1-800-Belden1



# **Description:**

14-conductor EFP and ENG camera cable, foam polyethylene (coax) and PVC (pairs and conductors) insulation, overall PVC jacket.

### Coax

## **Physical Characteristics**

### Conductor

AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
2	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	

## **Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.242

## **Inner Jacket Color Code Chart:**

	Number	Color
	1	Black
2		Black w/Hash Marks

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

EU CE Mark:

RG Type: 59/U

## **Electrical Characteristics**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 17.300

**Nominal Velocity of Propagation:** 

**VP (%)** 78.000

**Nominal Delay:** 



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**ENGLISH MEASUREMENT VERSION** 



# 9171 Composite - ENG and EFP Cable

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.600

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.540

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
2.000	0.600
10.000	1.000
50.000	2.300
100.000	3.200

Max. Operating Voltage - Non-UL:

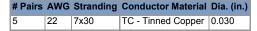
300 V RMS

## **Twisted Pair**

## **Physical Characteristics**

### Conductor

AWG:



### 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®	Tape	Aluminum Foil-Polyester Tape	100

#### Inner Shield Drain Wire AWG:

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

## **Inner Jacket**

## Inner Jacket Color Code Chart:

Number	Color
1	Black and Red
2	Black and White
3	Black and Green
4	Black and Blue
5	Black and Yellow

#### **Electrical Characteristics**

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.700

# **Multi Conductor**

## **Physical Characteristics**

# Conductor

AWG:

# Conductors	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
2	16	26x30	TC - Tinned Copper	0.060

### Insulation

### Insulation Material:

Insulation Material Dia. (in.)

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### **ENGLISH MEASUREMENT VERSION**



# 9171 Composite - ENG and EFP Cable

PVC - Polyvinyl Chloride | 0.092

#### **Insulation Color Code Chart:**

Number	Color
1	Black
2	White

### **Electrical Characteristics**

Nom. Capacitance Conductor to Conductor:



Nominal Velocity of Propagation:



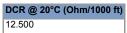
**Nominal Delay:** 



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 4.400

Nom. Inner Shield DC Resistance:



Max. Operating Voltage - Non-UL:

Voltage	Description		
300 V RMS	Pairs		
300 V RMS	Conductors		

## **Physical Characteristics (Overall)**

## **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.585 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	186 lbs/1000 ft.
Max. Recommended Pulling Tension:	337 lbs.
Min. Bend Radius (Install)/Minor Axis:	5.900 in.

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

# **Applicable Standards & Environmental Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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

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#### **ENGLISH MEASUREMENT VERSION**



## 9171 Composite - ENG and EFP Cable

Suitability				
	Suitability - Indoor:	Yes		
	Suitability - Outdoor:	Yes		
	Sunlight Resistance:	Yes		

### **Related Documents:**

No related documents are available for this product

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9171 0601000	1,000 FT	193.000 LB	CHROME	С	5 SHLD PR#22,2#16,2 COAX
9171 060500	500 FT	97.500 LB	CHROME	С	5 SHLD PR#22,2#16,2 COAX

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 02-16-2009

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