



**No longer Available**  
1-800-BELDEN1

For more Information  
please call

1-800-Belden1



## General Description:

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

### Coax

#### Physical Characteristics

##### Conductor

AWG:

#	Coax	AWG	Stranding	Conductor Material	Dia. (mm)
2		25	7x33	BC - Bare Copper	0.559

##### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	2.540

##### Inner Shield

##### Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)
Braid	TC - Tinned Copper	93

##### Inner Jacket

##### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.810

##### Inner Jacket Color Code Chart:

Number	Color
1	Black
2	Black with Hash Marks

## Applicable Specifications and Agency Compliance

### Applicable Standards & Environmental Programs

EU CE Mark:

No

### Electrical Characteristics

#### Nom. Characteristic Impedance:

Impedance (Ohm)
75

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.761

#### Nominal Velocity of Propagation:

VP (%)
78.000

#### Nominal Delay:

Delay (ns/m)
4.265

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
102.367

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
19.686

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.312
10.000	4.922

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

## 9170 Composite - ENG and EFP Cable

50.000	12.468
100.000	18.374
300.000	34.779
500.000	45.278

Max. Operating Voltage - Non-UL:

300 V RMS

### Twisted Pair

#### Physical Characteristics

##### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
5	24	7x32	TC - Tinned Copper	0.610

##### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.118

##### 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. (mm)	Conductor Material
24	19x36	0.635	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. Capacitance Conductor to Conductor:

Capacitance (pF/m)
88.587

#### Nominal Velocity of Propagation:

VP (%)
66.000

#### Nominal Delay:

Delay (ns/m)
5.053

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
59.058

#### Max. Operating Voltage - Non-UL:

Voltage	Description
null	300 V RMS

### Physical Characteristics (Overall)

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

#### Overall Nominal Diameter:

12.446 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -50°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 156.261 Kg/Km

Max. Recommended Pulling Tension: 484.854 N

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

## 9170 Composite - ENG and EFP Cable

Min. Bend Radius/Minor Axis: 152.400 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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: VW-1

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 0 Revision Date: 11-19-2008

© 2017 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 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.