

9170 Composite - ENG and EFP Cable



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

For more Information
please call

1-800-Belden1

**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. (in.)
2	25	7x33	BC - Bare Copper	0.022

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	0.100

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. (in.)
PVC - Polyvinyl Chloride	0.150

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/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)

31.200

Nom. Inner Shield DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

6.000

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.400
10.000	1.500
50.000	3.800
100.000	5.600
300.000	10.600
500.000	13.800

Max. Operating Voltage - Non-UL: 300 V RMS**Twisted Pair****Physical Characteristics****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
5	24	7x32	TC - Tinned Copper	0.024

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
PP - Polypropylene	0.044

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.)	Conductor Material
24	19x36	0.025	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/ft)**

27.000

Nominal Velocity of Propagation:**VP (%)**

66.000

Nominal Delay:**Delay (ns/ft)**

1.540

Nom. Inner Shield DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

18.000

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:	0.490 in.
---------------------------	-----------

Mechanical Characteristics (Overall)

Operating Temperature Range:	-50°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	105.000 lbs/1000 ft.
Max. Recommended Pulling Tension:	109.000 lbs.
Min. Bend Radius (Install)/Minor Axis:	6.000 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):	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
---------------	----

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

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

© 2012 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

9170 Composite - ENG and EFP Cable

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 it 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.