**ENGLISH MEASUREMENT VERSION** 



## 9165 Composite - ENG, EFP and CCTV Cable



For more Information please call

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	<b>Conductor Material</b>	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:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



**Nominal Velocity of Propagation:** 



**Nominal Delay:** 



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)





## 9165 Composite - ENG, EFP and CCTV Cable

2.600

#### Nom. Attenuation:

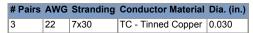
Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.700
10.000	1.000
50.000	2.100
100.000	3.000
400.000	7.400
	1.000 5.000 10.000 50.000 100.000

### **Twisted Pair**

## **Physical Characteristics**

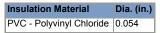
#### Conductor

AWG:



### Insulation

**Insulation Material:** 



#### **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.)	<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	Orange and Brown
3	Green and White

## **Electrical Characteristics**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



**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.

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

No

## **Electrical Characteristics (Overall)**

Max. Operating Voltage - UL:

Plenum (Y/N):

Voltage 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	С	3 SH PR#22,1 75 OHM COAX
9165 010500	500 FT	50.000 LB		С	3 SH PR#22,1 75 OHM COAX

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 02-11-2008

© 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







## 9165 Composite - ENG, EFP and CCTV 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.