Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9171 Composite - ENG and EFP Cable



For more Information please call

1-800-Belden1



General Description:

1.000

0.300

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

insulation, overall i vo jacket.	
Coax	
Physical Characteristics Conductor AWG:	
# CoaxAWGStrandingConductor MaterialDia. (in.)2 22 7x30 BC - Bare Copper 0.030	
Insulation Insulation Material:	
Insulation MaterialDia. (in.)FPE - Foam Polyethylene0.146	
Inner Shield Inner Shield Material:	
TypeInner Shield Material% Coverage (%)BraidBC - Bare Copper95	
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:	No
RG Type:	59/U
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:	
Nominal Delay: Delay (ns/ft) 1.300	
Delay (ns/ft) 1.300 Nom. Conductor DC Resistance:	
Delay (ns/ft) 1.300	
Delay (ns/ft) 1.300 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft)	
Delay (ns/ft) 1.300 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15.600	
Delay (ns/ft) 1.300 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15.600 Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft)	

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I	2.000	0.600
ı	10.000	1.000
ı	50.000	2.300
ı	100.000	3.200

Max. Operating Voltage - Non-UL:

300 V RMS

Twisted Pair

Physical Characteristics

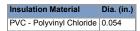
Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
5	22	7x30	TC - Tinned Copper	0.030

Insulation

Insulation Material:



Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG	Stranding		Conductor Material
22	7x30	0.030	TC - Tinned Copper

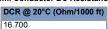
Inner Jacket

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:

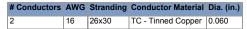


Multi Conductor

Physical Characteristics

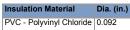
Conductor

AWG:



Insulation

Insulation Material:



Insulation Color Code Chart:

Number	Color
1	Black
2	White

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:



Nominal Velocity of Propagation:

VP (%) 62.000

Nominal Delay:

Delay (ns/ft) 1.640

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 4.400

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9171 Composite - ENG and EFP Cable

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 12.500

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/Minor Axis:	5.900 in.		

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):	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
uitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Put Ups and Colors:

Sunlight Resistance:

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

Yes

Su

C = CRATE REEL PUT-UP.

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

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