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1-800-Belden1



General 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	Conductor Material	Dia. (mm)
2	22	7x30	BC - Bare Copper	0.762

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	3.708

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. (mm)
PVC - Polyvinyl Chloride	6.147

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/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)
51.184

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.334

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
2.000	1.969
10.000	3.281
50.000	7.546
100.000	10.499

Max. Operating Voltage - Non-UL:

300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
5	22	7x30	TC - Tinned Copper	0.762

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.372

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
22	7x30	0.762	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/km)
54.793

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
2	16	26x30	TC - Tinned Copper	1.524

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
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PVC - Polyvinyl Chloride	2.337
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Insulation Color Code Chart:

Number	Color
1	Black
2	White

Electrical Characteristics**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
102.039

Nominal Velocity of Propagation:

VP (%)
62.000

Nominal Delay:

Delay (ns/m)
5.381

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.436

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
41.013

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:	14.859 mm
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	276.805 Kg/Km
Max. Recommended Pulling Tension:	1499.043 N
Min. Bend Radius/Minor Axis:	149.860 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):	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

9171 Composite - ENG and EFP Cable

MII Order #39 (China RoHS):	Yes
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Sunlight Resistance:	Yes
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9171 0601000	305 MT	87.544 KG	CHROME	C	5 SHLD PR#22,2#16,2 COAX
9171 060500	152 MT	44.225 KG	CHROME	C	5 SHLD PR#22,2#16,2 COAX

Notes:

C = CRATE REEL PUT-UP.

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