

600PTZ Composite - For PTZ Cameras: CCTV + Cptrol + Power



For more Information
please call

1-800-Belden1

**Description:**

(1) coax-20 AWG solid BC cond., FPFA insul., 95% BC braid shield, Flamarrest® jkt., cabled with (1) pair-23 AWG solid BC cond., FEP insul., Flamarrest®, cabled with (2) cond.-18 AWG (7x26) BC cond., Flamarrest® insul., Flamarrest® jkt.

Coax**Physical Characteristics****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	0.032

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
FPFA - Foam Perfluoroalkoxy	0.133

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.193

Outer Jacket Color Code Chart:

Number	Color
Video	Black

Applicable Specifications and Agency Compliance**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU CE Mark: Yes

RG Type: 59/U

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

Electrical Characteristics**Nom. Characteristic Impedance:**

Impedance (Ohm)

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75

Nom. Inductance:

Inductance (μH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.100

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/ft)
1.210

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.500

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.200
5.000	0.700
10.000	1.100
50.000	1.800
100.000	2.700
200.000	3.900
400.000	5.900
700.000	8.500
900.000	10.000
1000.000	10.700

Max. Operating Voltage - UL:

300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BC - Bare Copper	0.023

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FEP - Fluorinated Ethylene Propylene	0.041

Twisted Pair Color Code Chart:

Number	Color
1	Blue and White/Blue

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.116

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Outer Jacket Color Code Chart:

Number	Color
1	Blue

Applicable Specifications and Agency Compliance
Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

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

Capacitance (pF/ft)
15.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
20.000

Max. Operating Voltage - Other:

Voltage
300 V RMS

Multi Conductor**Physical Characteristics****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	18	7x26	BC - Bare Copper	0.047

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.158

Outer Jacket Color Code Chart:

Number	Color
1	White

Applicable Specifications and Agency Compliance
Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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Flame Test

UL Flame Test:	NFPA 262
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Suitability

Suitability - Indoor:	Yes
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Electrical Characteristics

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

30.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.500

Max. Operating Voltage - Other:

Voltage

300 V RMS

Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

Physical Characteristics (Overall)

Conductor

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

Unjacketed

Overall Cable

Overall Nominal Diameter:	0.351 in.
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-10°C To +75°C
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Separation Temperature Range:	0°C To +75°C
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Bulk Cable Weight:	55.000 lbs/1000 ft.
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Max. Recommended Pulling Tension:	125.000 lbs.
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Min. Bend Radius (Install)/Minor Axis:	3.500 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	500PTZ
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Notes (Overall)

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Notes: RG59 CCTV + 1 PR 23 UTP + 2C 18 AWG CMP. Individually jacketed and color coded components, cabled around and each fused to a central binding spline. Cold environment installation: When installing cables that have been stored at ambient temperatures of 32 degrees Fahrenheit (0 degrees Centigrade) or lower, Belden recommends conditioning of the cable for 12 hours at room temperature prior to individual cable leg separation. Banana Peel® US PATENT 7049523.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
600PTZ 0001000	1,000 FT	62.000 LB	NONE	C	1 RG59 + 1 UTP 23 + 2C18

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 04-14-2008

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