

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



For more Information
please call

1-800-Belden1



General Description:

PTZ (CCTV+Control+Power) Cable, Plenum-CMP, 1-RG59 20 AWG solid bare copper with foam PFA, 95% bare copper braid, 1-23 AWG solid bare copper pair with FEP insulation, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Siamese with Flamarrest® jacket

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)
75

Nom. Inductance:

Inductance (μH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.100

Nominal Velocity of Propagation:

VP (%)

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

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

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)

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

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

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

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.

Mechanical Characteristics (Overall)

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

Operating Temperature Range:	-10°C To +75°C
Separation Temperature Range:	0°C To +75°C
Bulk Cable Weight:	55.000 lbs/1000 ft.
Max. Recommended Pulling Tension:	125.000 lbs.
Min. Bend Radius/Minor Axis:	3.500 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):	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

Applicable Patents:

Country
www.belden.com/p

Plenum/Non-Plenum

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

Notes (Overall)

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
600PTZ 0001000	1,000 FT	62.000 LB	NONE	C	RG59 + 1P23 + 2C18 CMP BPEEL

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 02-28-2014

© 2016 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 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. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[600PTZ 0001000](#) [600PTZ 000500](#)