METRIC MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



General Description:

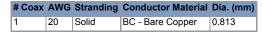
PTZ (CCTV+Control+Power) Cable, Plenum-CMP, 1-RG59 20 AWG solid bare copper with foam PFA, 95% bare copper braid, 1-23 AWG solid bare copper pair with FEP insulation, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Siamese with Flamarrest® jacket

Coax

Physical Characteristics

Conductor

AWG:



Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPFA - Foam Perflouroalkoxy	3.378

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. (mm) 4.902

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/m)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 52.824

Nominal Velocity of Propagation:

VP (%) 84.000

0.318

Nominal Delay:

Delay (ns/m) 3.970

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 32.810

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 8.203

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.656
5.000	2.297
10.000	3.609
50.000	5.906
100.000	8.859
200.000	12.796
400.000	19.358
700.000	27.889
900.000	32.810
1000.000	35.107

Max. Operating Voltage - UL:

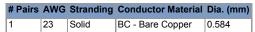
300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:



Insulation

Insulation Material:



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. (mm) 2.946

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CEC/C(UL) Specification:



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Outer Jacket Color Code Number Color Blue	Chart:	
Applicable Specifications & Applicable Standards &	and Agency Compliance 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 Conduct Capacitance (pF/m) 49.215 Nom. Conductor DC Resiste DCR @ 20°C (Ohm/km) 65.620 Max. Operating Voltage - Of Voltage 300 V RMS	ance:	
Multi Conductor		
Physical Characteristics Conductor AWG:		
# Conductors AWG Stran	nding Conductor Material Dia. (mm)	
2 18 7x26	BC - Bare Copper 1.194	
Insulation Insulation Material: Insulation Trade Name In	sulation Material	
Flamarrest® LS	S PVC - Low Smoke Polyvinyl Chloride	
Insulation Color Code Ch Number Color 1 Red 2 Black	art:	
Outer Jacket		
Outer Jacket Material:		
Outer Jacket Trade Name Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	
Outer Jacket Diameter:	. ,	
Nom. Dia. (mm) 4.013		
Outer Jacket Color Code Number Color White	Chart:	
Applicable Specifications & Applicable Standards &	and Agency Compliance Environmental Programs	
NEC/(UL) Specification:	CMP	

CMP

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Flame Test	
UL Flame Test:	NFPA 262
Suitability	
Suitability - Indoor:	Yes

Electrical Characteristics

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 98.430

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 21.327

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: 8.915 mm

Me	Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-10°C To +75°C				
	Separation Temperature Range:	0°C To +75°C				
	Bulk Cable Weight:	81.851 Kg/Km				
	Max. Recommended Pulling Tension:	556.025 N				
	Min. Bend Radius/Minor Axis:	88.900 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):	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

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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	С	RG59 + 1P23 + 2C18 CMP BPEEL

Notes:

C = CRATE REEL PUT-UP.

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

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