METRIC MEASUREMENT VERSION



602PTZ Composite - For PTZ Cameras: CCTV + Control + 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, 1-18 AWG stranded bare copper pair with FEP insulation and Beldfoil® shield, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Siamese with Flamarrest® jacket

Coax

Physical Characteristics

Conductor

AWG:

1	# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	1	20	Solid	BC - Bare Copper	0.813

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPFA - Foam Perflouoroalkoxy	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

Overall Cabling

Overall Cabling 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:

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Impedance (Ohm)

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



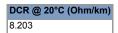
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.951
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:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	19x30	BC - Bare Copper	1.118

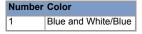
Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FEP - Fluorinated Ethylene Propylene	1.499

Inner Jacket

Inner Jacket Color Code Chart:



Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

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AWG Strand	ling Drain	Wire Conductor Material	
20 19x32		inned Copper	
Outer Jacket			
Outer Jacket			
Outer Jacke Flamarrest®	t Trade Na	me Outer Jacket Material	unipul Chlorido
		LS PVC - Low Smoke Pol	/viriyi Chionae
Outer Jacket Nom. Dia. (n		:	
3.810	,		
Outer Jacket	 Color Cod	de Chart:	
Number Col	or		
1 Blue	Э		
Applicable Spec	ification	s and Agency Compli	ance
		& Environmental Prog	
NEC/(UL) Spe	cification	:	CMP
CEC/C(UL) Sp	ecificatio	on:	CMP
Flame Test			
UL Flame Tes	t:		NFPA 262
Suitability			
Suitability - In	door:		Yes
Electrical Chara	cteristic	s	
Nom. Capacitan	ce Condu	uctor to Shield:	
Capacitance (p	F/m)		
318.257			
		uctor to Conductor:	
Capacitance (p	F/III)		
Nom. Conducto	 r DC Resi	istance:	
DCR @ 20°C (C			
18.046			
Nominal Outer S	Shield DC	Resistance:	
DCR @ 20°C (C	hm/km)		
23.951			
Max. Operating	Voltage -	Other:	
Voltage 300 V RMS			
	adad 0	wa m 4 .	
Max. Recomme	naea Cur	rent:	

Multi Conductor

Physical Characteristics

5.2 Amps per conductor @ 25°C

Conductor

AWG:

ı	# Conductors AV		Stranding	Conductor Material	Dia. (mm)
	2	18	7x26	BC - Bare Copper	1.194

Insulation

Insulation Material:

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

Insulation Color Code Chart:

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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. (mm) 4.013

Outer Jacket Color Code Chart:



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)

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Nominal Diameter: 9.220 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -10°C To +75°C

Separation Temperature Range: 0°C To +75°C

Bulk Cable Weight: 98.221 Kg/Km

Max. Recommended Pulling Tension: 720.608 N

Min. Bend Radius/Minor Axis: 91.440 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes

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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 Plenum Number: 502PTZ

Notes (Overall)

Notes: RG59 CCTV + 1 STP 18 AWG Control Grade + 2C 18 AWG CMP. Individually lacketed 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
602PTZ 0001000	1,000 FT	70.000 LB	NONE	С	RG59 +2C18 FS +2C18 CMP BPEEL
602PTZ 000500	500 FT	36.000 LB	NONE	С	RG59 +2C18 FS +2C18 CMP BPEEL

Notes:

C = CRATE REEL PUT-UP.

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

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