ENGLISH MEASUREMENT VERSION



602PTZ Composite - For PTZ Cameras: CCTV + Control + Power



For more Information please call

1-800-Belden1



Description:

(1) coax-20 AWG solid BC cond., FPFA insul., 95% BC braid shield, cabled with (1) pair-18 AWG stranded (19x30) solid BC cond., FEP insul., Beldfoil® shield, cabled with (2) cond.-18 AWG (7x26) BC cond., Flamarrest® insul., Flamarrest® jakets.

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 Perflouoroalkoxy	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.)
1.930

Overall Cabling

Overall Cabling Color Code Chart:



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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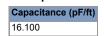
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	Impedance (Ohm)				
	75				
No	Nom. Inductance:				
	Inductance (µH/ft)				

Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:

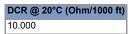


0.097

Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.290
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		18	19x30	BC - Bare Copper	0.044

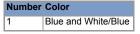
Insulation

Insulation Material:



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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_	O Time I Conductor Material	
20 19x32 To	C - Tinned Copper	
Outer Jacket		
Outer Jacket Mater	rial:	
	e Name Outer Jacket Material	
Flamarrest®	LS PVC - Low Smoke Po	yvinyl Chloride
Outer Jacket Diame	eter:	
Nom. Dia. (in.) 0.150		
Outer Jacket Color	Code Chart:	
Number Color 1 Blue		
	tions and Agency Compl	
	rds & Environmental Pro	
NEC/(UL) Specifica	tion:	CMP
CEC/C(UL) Specific	ation:	CMP
Flame Test		
UL Flame Test:		NFPA 262
Suitability		
Suitability - Indoor:		Yes
Electrical Characteris	stics	
Nom. Capacitance Co		
Capacitance (pF/ft)		
97.000		
	onductor to Conductor:	
Capacitance (pF/ft)		
51.000		
Nom. Conductor DC		
DCR @ 20°C (Ohm/10 5.500	J00 ft)	
	L DC Basistan	
Nominal Outer Shield		
DCR @ 20°C (Ohm/10 7.300	JOU 11)	
	go - Other:	
Max. Operating Volta Voltage	ge - Other.	
300 V RMS		
Max. Recommended	Current:	
Current	ourrent.	
5.2 Amps per conducto	or @ 25°C	
Multi Conductor		
Physical Characteris	tics	
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:

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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. (in.) 0.158

Outer Jacket Color Code Chart:



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)

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Nominal Diameter: 0.363 in.

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 66.000 lbs/1000 ft.

Max. Recommended Pulling Tension: 162.000 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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	MII Order #39 (China RoHS):	Yes
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 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
602PTZ 0001000	1,000 FT	70.000 LB	NONE	С	1 RG59 + 2C18 SH + 2C18
602PTZ 000500	500 FT	36.000 LB	NONE	С	1 RG59 + 2C18 SH + 2C18

Notes:

C = CRATE REEL PUT-UP.

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

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