ENGLISH MEASUREMENT VERSION



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



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)

Page 1 of 5 01-06-2012

ENGLISH MEASUREMENT VERSION



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

75
Nom. Inductance:
Inductance (μΗ/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

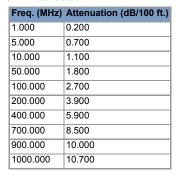
Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 10.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.500

Nom. Attenuation:



Max. Operating Voltage - UL:

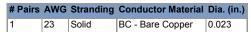
300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:



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

Page 2 of 5 01-06-2012



CEC/C(UL) Specification:



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

Outon Inches Colo	v Code Charts		
Outer Jacket Colo Number Color	r Code Chart:		
1 Blue			
Applicable Specifica	ations and Agency Compliance		
	ards & Environmental Programs		
NEC/(UL) Specific	ation: CMP		
CEC/C(UL) Specifi	cation: CMP		
Flame Test			
UL Flame Test:	NFPA 262		
Suitability			
Suitability - Indoor	r: Yes		
Electrical Character			
Capacitance (pF/ft)	Conductor to Conductor:		
15.000			
Nom. Conductor DC	Resistance:		
DCR @ 20°C (Ohm/1	000 ft)		
20.000			
Max. Operating Volt Voltage	age - Other:		
300 V RMS			
Multi Conductor			
Physical Characteris Conductor	STICS		
AWG:			
	VG Stranding Conductor Material Dia. (in.)		
2 18	7x26 BC - Bare Copper 0.047		
Insulation Insulation Materia	1.		
	Name Insulation Material		
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride		
Insulation Color C	ode Chart:		
Number Color			
1 Red 2 Black			
Outer Jacket Outer Jacket Mate	orial:		
Outer Jacket Trac	de Name Outer Jacket Material		
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride		
Outer Jacket Dian	neter:		
Nom. Dia. (in.) 0.158			
Outer Jacket Colo	r Code Chart:		
Number Color 1 White			
	ations and Agency Compliance		
	ards & Environmental Programs		
NEC/(UL) Specific	ation: CMP		

CMP

Page 3 of 5 01-06-2012

ENGLISH MEASUREMENT VERSION



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

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) 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 (Install)/Minor Axis: 3.500 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 MII Order #39 (China RoHS): Yes Plenum/Non-Plenum Plenum (Y/N): Yes Non-Plenum Number: 500PTZ

Notes (Overall)

Page 4 of 5 01-06-2012





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

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	С	1 RG59 + 1 UTP 23 + 2C18

Notes:

C = CRATE REEL PUT-UP.

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

© 2012 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

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 73/23/EEC), as amended by directive 93/68/EEC.