ENGLISH MEASUREMENT VERSION



504PTZ Composite - For PTZ Cameras: CCTV + Control + Power



For more Information please call

1-800-Belden1



Description:

(1) coax-20 AWG solid BC cond., gas-injected foam HDPE insul., 95% BC braid shield, PVC jkt., cabled with (2) pair-22 AWG stranded (7x30) BC cond., PVC insul., Beldfoil® shield, PVC jkt., cabled with (2) cond., 14 AWG (19x27) BC cond., PVC insul., PVC 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.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.145

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

Outer Jacket

Outer Jacket Material:



Outer Jacket Diameter:



Outer Jacket Color Code Chart:

Number	Color
Video	Black

Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
RG Type:	59/U
Flame Test	
UL Flame Test:	UL1666 Vertical Shaft
Suitability	
Suitability - Indoor:	Yes

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)

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75
Nom. Inductance:
Inductance (µH/ft)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 16.300

Nominal Velocity of Propagation:

VP (%) 83.000

0.097

Nominal Delay:

Delay (ns/ft) 1.220

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 10.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.500

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.650
10.000	0.900
50.000	1.900
100.000	2.600
200.000	3.600
400.000	5.000
700.000	7.000
900.000	8.000
1000.000	8.500

Max. Operating Voltage - UL:

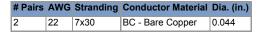
300 V RMS

Twisted Pair

Physical Characteristics

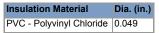
Conductor

AWG:



Insulation

Insulation Material:



Twisted Pair Color Code Chart:

Number	Color
1	Black and Red
2	Black and White

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:

AWG Stranding Drain Wire Conductor Material

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24 7x32 TC - Tinned Copper			
Outer Jacket			
Outer Jacket Material: Outer Jacket Material			
PVC - Polyvinyl Chloride			
Outer Jacket Diameter:			
Nom. Dia. (in.) 0.219			
Outer Jacket Color Code Chart:			
Number Color 1 Blue			
Applicable Specifications and Agency Complian Applicable Standards & Environmental Progr			
NEC/(UL) Specification:	CMR		
CEC/C(UL) Specification:	CMG		
Flame Test			
UL Flame Test:	UL1666 Vertical Shaft		
Suitability			
Suitability - Indoor:	Yes		
Electrical Characteristics Nom. Capacitance Conductor to Shield:			
Capacitance (pF/ft)			
38.000			
Nom. Capacitance Conductor to Conductor:			
Capacitance (pF/ft)			
21.000			
Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft)			
17.500			
Max. Operating Voltage - Other:			
Voltage 300 V RMS			
Max. Recommended Current:			
Description Current			
Data/Control 5.2 Amps			
Multi Conductor			
Physical Characteristics			
Conductor			

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	14	19x27	BC - Bare Copper	0.070

Insulation

Insulation Material:



Insulation Color Code Chart:

Number	Color
1	Red
2	Black

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Individual Shield

Outer Jacket

Outer Jacket Diameter:

Nom. Dia. (in.) 0.236

Outer Jacket Color Code Chart:

Number Color

1 White

Applicable Specifications and Agency Compliance

Applicable Standards & Environmental Programs

NEC/(UL) Specification:

CMR

CEC/C(UL) Specification: CMG

Flame Test

UL Flame Test: UL1666 Vertical Shaft

Suitability

Suitability - Indoor: Yes

Electrical Characteristics

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 21.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.520

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: 0.496 in.

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 84.000 lbs/1000 ft.

Max. Recommended Pulling Tension: 183.000 lbs.

Min. Bend Radius (Install)/Minor Axis: 5.000 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

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	EU RoHS Compliance Date (mm/dd/yyyy):	09/21/2006
	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
Ple	enum/Non-Plenum	
	Plenum (Y/N):	No

Notes (Overall)

Notes: RG59 CCTV + 2 TP 22 AWG Shld + 2C 14 AWG CMR. 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
504PTZ 0001000	1,000 FT	98.000 LB	NONE	С	2P22 + 2C14 + 1 RG59 SHLD

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 05-10-2010

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