

500PTZ Composite - For PTZ Cameras: CCTV + Control + Power



For more Information
please call

1-800-Belden1



Description:

Coax:20 AWG solid BC cond., gas-injected foam HDPE insul., 95% BC braid shield, PVC jacket, cabled with(1) pair - 23 AWG solid BC conductor, PO insulation, PVC Jacket, and cabled with (2) conductors, 18 AWG (7x26) BC conductors, PP insulation,PVC jacket

Coax

Physical Characteristics

Conductor

AWG:

AWG	Stranding	Conductor Material	Dia. (in.)	# Conductors
20	Solid	BC - Bare Copper	0.032	1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected PHDPE - 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 Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.227

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)

500PTZ Composite - For PTZ Cameras: CCTV + Control + Power

75

Nom. Inductance:

Inductance (μH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.300

Nominal Velocity of Propagation:

VP (%)
83.000

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:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BC - Bare Copper	0.023

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PO - Polyolefin	0.041

Twisted Pair Color Code Chart:

Number	Color
1	Blue and White/Blue

Outer Shield

Outer Shield Material:

Type	Dia. (in.)
PVC - Polyvinyl Chloride	0.118

Outer Jacket

Outer Jacket Color Code Chart:

Number	Color
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500PTZ Composite - For PTZ Cameras: CCTV + Control + Power

1	Blue
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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 Conductor to Conductor:

Capacitance (pF/ft)
15.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
20.000

Max. Operating Voltage - Other:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.4 Amps per conductor @ 25°C

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	18	7x26	BC - Bare Copper	0.047

Insulation

Insulation Material:

Insulation Material
PP - Polypropylene

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

Individual Shield

Outer Jacket

Outer Jacket Diameter:

Nom. Dia. (in.)
0.158

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

500PTZ Composite - For PTZ Cameras: CCTV + Control + Power

Suitability

Suitability - Indoor:	Yes
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Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

21.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.500

Max. Operating Voltage - Other:

Voltage

300 V RMS

Physical Characteristics (Overall)**Conductor****Outer Jacket**

Outer Jacket Material:

Outer Jacket Material

Unjacketed

Overall Cable

Overall Nominal Diameter:	0.411 in.
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-10°C To +75°C
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Separation Temperature Range:	0°C To +75°C
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Bulk Cable Weight:	60.000 lbs/1000 ft.
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Max. Recommended Pulling Tension:	115.000 lbs.
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Min. Bend Radius (Install)/Minor Axis:	4.100 in.
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Plenum Number:	600PTZ
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Notes (Overall)

Notes: RG59 CCTV + 1PR23 UTP + 2C 18 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

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
500PTZ 0001000	1,000 FT	58.000 LB	NONE	C	1 RG59 + 1 UTP 23 + 2C18

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-15-2008

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