

2505PTZ Composite - For PTZ Camercas: CCTV + Control + Power

**Picture
Not Available**

For more Information
please call

1-800-Belden1

**General Description:**

PTZ (CCTV+Control+Power) Cable, Rated-CM, 1-RG59 20 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-18 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 2-16 AWG stranded bare copper conductors with PVC insulation, Siamese with PVC jacket, Aluminum interlocking armor

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 Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.232

Outer Jacket Color Code Chart:

Number	Color
1	Black

Applicable Specifications and Agency Compliance
Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 06/08/2007

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

RG Type: 59/U

Flame Test

UL Flame Test: UL1685 Vertical Tray Flame Test

Suitability

Suitability - Indoor: Yes

Electrical Characteristics

Nom. Characteristic Impedance:

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Impedance (Ohm)

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
1	18	7x26	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Twisted Pair Color Code Chart:

Number	Color
1	Black
2	Red

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
24	7x32	TC - Tinned Copper

Individual Shield

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)

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0.165

Outer Jacket Color Code Chart:

Number	Color
1	Gray

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
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Suitability

Suitability - Indoor:	Yes
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Electrical Characteristics

Max. Operating Voltage - Other:

Voltage
300 V RMS

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	16	19x29	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

Individual Shield

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

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
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Suitability

Suitability - Indoor:	Yes
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Electrical Characteristics

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.200

Max. Operating Voltage - Other:

Voltage
300 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

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Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Separator Material: Polyester

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

Unjacketed

Armor

Armor Type: Interlocking

Armor Material: Aluminum

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: 142 lbs/1000 ft.

Max. Recommended Pulling Tension: 210 lbs.

Min. Bend Radius/Minor Axis: 9.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 06/08/2007

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): No

Notes (Overall)

Notes: RG59 CCTV + 2C 18 AWG Shld + 2 C 16 AWG CMR. Individually jacketed and color coded components, cabled with an overall aluminum interlocked armor.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2505PTZ 0001000	1,000 FT	158.000 LB	NONE	C	COMPOSITE CABLE ALUM ARMOR

Notes:

C = CRATE REEL PUT-UP.

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