

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

For more Information
please call

1-800-Belden1



**Picture
Not Available**

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. (mm)
1	20	Solid	BC - Bare Copper	0.813

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.683

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. (mm)
5.893

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

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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:

Impedance (Ohm)
 75

Nom. Inductance:

Inductance (µH/m)
 0.318

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
 53.480

Nominal Velocity of Propagation:

VP (%)
 83.000

Nominal Delay:

Delay (ns/m)
 4.003

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
 32.810

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
 11.484

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
5.000	2.133
10.000	2.953
50.000	6.234
100.000	8.531
200.000	11.812
400.000	16.405
700.000	22.967
900.000	26.248
1000.000	27.889

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:

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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. (mm)
4.191

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

Suitability

Suitability - Indoor: Yes

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

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

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
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CEC/C(UL) Specification:	CMG
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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/km)
13.780

Max. Operating Voltage - Other:

Voltage
300 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Separator Material:	Polyester
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Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Armor

Armor Type:	Interlocking
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Armor Material:	Aluminum
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Overall Cable

Overall Nominal Diameter:	12.598 mm
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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:	211.324 Kg/Km
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Max. Recommended Pulling Tension:	934.122 N
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Min. Bend Radius/Minor Axis:	241.300 mm
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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METRIC MEASUREMENT VERSION

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

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	RG59 +2C18 +2C16 FS CMR ARM

Notes:

C = CRATE REEL PUT-UP.

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