**METRIC MEASUREMENT VERSION** 



502PTZ Composite - For PTZ Cameras: CCTV + Control + Power



For more Information please call

1-800-Belden1



#### **General Description:**

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

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)	
5.766	
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)	
75	
Nom. Inductance:	
Inductance (µH/m)	
0.318	
Nom. Capacitance Conductor to Shield:	
Capacitance (pF/m)	
53.480	
Nominal Velocity of Propagation:	

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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) Nom. Attenuation: Freq. (MHz) Attenuation (dB/100m) 1.000 0.984 2.133 5.000 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 Dia. (mm) 19x30 BC - Bare Copper Insulation Insulation Material: Insulation Material Dia. (mm) PO - Polyolefin 2.032 **Twisted Pair Color Code Chart:** Number Color Blue and White/Blue **Outer Shield** Outer Shield Material: Outer Shield Trade Name Type Outer Shield Material Tape | Aluminum Foil-Polyester Tape | 100.000 Beldfoil® Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material TC - Tinned Copper **Outer Jacket** Outer Jacket Material: **Outer Jacket Material** PVC - Polyvinyl Chloride **Outer Jacket Diameter:** Nom. Dia. (mm) 5.563 **Outer Jacket Color Code Chart:** Number Color Blue **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

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Suitability - Indoor:	Yes
Electrical Characteristics	
Nom. Capacitance Conductor to Shield:  Capacitance (pF/m)	
144.364	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/m) 85.306	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km)	
21.327	
Max. Operating Voltage - Other:	
Voltage 300 V RMSI	
Max. Recommended Current:	
Description Current Data/Control   5.2 Amps	
Data control 0.2 / timpo	
Multi Conductor	
Physical Characteristics Conductor	
AWG:	
# Conductors AWG Stranding Conductor Material Dia. (mm)	
2   18   7x26   BC - Bare Copper   1.194	
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. (mm)	
4.013	
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 Conductor to Conductor:  Capacitance (pF/m)	
70.542	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km)	
21.327	
Max. Operating Voltage - Other: Voltage	
300 V RMS	
Max. Recommended Current:	
Current 5 Amps per conductor @ 25°C	

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#### **METRIC MEASUREMENT VERSION**



### 502PTZ Composite - For PTZ Cameras: CCTV + Control + Power

**Physical Characteristics (Overall)** 

Outer Jacket

Outer Jacket Material:

**Outer Jacket Material** Unjacketed

**Overall Cable** 

Overall Nominal Diameter: 11.455 mm

**Mechanical Characteristics (Overall)** 

-10°C To +75°C **Operating Temperature Range:** 0°C To +75°C Separation Temperature Range: **Bulk Cable Weight:** 110.127 Kg/Km Max. Recommended Pulling Tension: 622.748 N Min. Bend Radius/Minor Axis: 114.300 mm

**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): 04/01/2005 EU RoHS Compliance Date (mm/dd/vvvv): EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes

Applicable Patents

Country www.belden.com/p

Plenum/Non-Plenum

Plenum (Y/N): No Plenum Number: 602PTZ

#### Notes (Overall)

Notes: RG59 CCTV + 1 STP18 AWG Control Grade + 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.

#### **Put Ups and Colors:**

Ite	em #	Putup	Ship Weight	Color	Notes	Item Desc
50	2PTZ 0001000	1,000 FT	89.000 LB	NONE		1 RG59 + 2C18 SH + 2C18
50	2PTZ 000500	500 FT	45.000 LB	NONE		1 RG59 + 2C18 SH + 2C18

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## **ПОСТАВКА** ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

многоканальный

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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### Офис по работе с юридическими лицами:

105318, г. Москва, ул. Щербаковская д. 3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru moschip.ru\_6 moschip.ru 4 moschip.ru 9