# Part Number: 549945

PTZ, RG-59 #20, #18-2c, CMG, Siamese

## Product Description

PTZ (CCTV + Power/Audio) Cable, Rated-CMG, 1-RG59 20 AWG solid bare copper with foam polyethylene, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polypropylene insulation unshielded, Siamese with PVC jacket

## Technical Specifications

| | |
|---|---|
| Suitable Applications: | CCTV plus Audio, Pan and Tilt CCTV Control |

**Coax Conductor**

| AWG | Stranding | Material | Nominal Diameter | No. of Coax | Insulation Material | Insulation Nominal Diameter |
|---|---|---|---|---|---|---|
| 18 | Solid | BC - Bare Copper | 0.032 in | 1 | Gas-injected FHDPE - Foam High Density Polyethylene | 0.145 in |

**Coax Insulation**

| Insulation Material | Insulation Nominal Diameter |
|---|---|
| Gas-injected FHDPE - Foam High Density Polyethylene | 0.145 in |

**Coax Outer Shield**

| Element | Outer Shield Type | Outer Shield Material | Outer Shield Coverage |
|---|---|---|---|
| 1 | Braid | BC - Bare Copper | 90 % |

**Coax Outer Jacket**

| Outer Jacket Material | Nominal Diameter |
|---|---|
| PVC - Polyvinyl Chloride | 0.232 in |

**Coax High Frequency (Nominal Typical)**

| Frequency | Nominal Insertion Loss (Attenuation) |
|---|---|
| 1 MHz | 0.3 dB/100ft |
| 5 MHz | 0.65 dB/100ft |
| 10 MHz | 0.9 dB/100ft |
| 50 MHz | 1.9 dB/100ft |
| 100 MHz | 2.6 dB/100ft |
| 200 MHz | 3.6 dB/100ft |
| 400 MHz | 5.0 dB/100ft |
| 700 MHz | 7.0 dB/100ft |
| 900 MHz | 8.0 dB/100ft |
| 1000 MHz | 8.5 dB/100ft |

## Multiconductor

**Multiconductor Conductor**

| No. of Pairs | AWG | Stranding | Material | Nominal Diameter |
|---|---|---|---|---|
| 1 | 18 | 7x26 | BC - Bare Copper | 0.046 in |

**Multiconductor Insulation**

| Material |
|---|
| PP - Polypropylene |
| 0.059 in |

**Multiconductor Color Chart**

| Description | Color |
|---|---|
| 1 | Black |
| 2 | Red |

| | |
|---|---|
| Shielding: | Braid(s) |

## Overall Cable

| | |
|---|---|
| Jacket: | PVC |
| Operating Temp Range: | -30°C To +75°C |
| UL Temp Rating: | 75°C |
| Max Recommended Pulling Tension: | 75 lbs |
| Bulk Cable Weight: | 50 lbs/1000ft |

## Applicable Standards & Environmental Programs

| | |
|---|---|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-01-01 |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU CE Mark: | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| China RoHS 2: | Yes |

## Suitability

| | |
|---|---|
| Suitability - Aerial: | Yes - Black only, when supported by messenger wire |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes - Black only |
| Suitability - Sunlight Resistance: | Yes - Black only |
| Below Grade Burial: | No |

## Flame Test

| | |
|---|---|
| UL Flammability: | UL1685 UL Loading |
| C(UL) Flammability: | FT4 |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | No |
| Plenum Number: | 649948 |

## Product Notes

| | |
|---|---|
| Notes: | 18 AWG pair is unshielded |

## Overall Armor Shield

**Variants**

| Item # | Color | Footnote |
|---|---|---|
| 549945 0101000 | Black | C |
| 549945 010500 | Black | C |
| 549945 0091000 | White | C |
| 549945 009500 | White | C |

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.