

**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**

**Product Overview**

Suitable Applications:	CCTV plus Audio, Pan and Tilt CCTV Control
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
20	Solid	BC - bare Copper	0.032 in	1	1
18	7x26	BC - Bare Copper	0.046 in	1	

Total Number of Conductors:	3
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**Insulation**

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.145 in
PP - Polypropylene	0.059 in

**Color Chart**

Number	Color
1	Black and Red

**Inner Shield Material**

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

**Outer Shield Material**

Type	Layer	Material	Coverage [%]
Braid	Coax Braid	Unshielded	90 %

**Outer Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 x 0.45 in

**Electrical Characteristics**

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
22.5 pF/ft	16.3 pF/ft

**Construction and Dimensions**

**Conductor DCR**

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Outer Conductor DCR
10 Ohm/1000ft	10 Ohm/1000ft	3.5 Ohm/1000ft	3.5 Ohm/1000ft

## Impedance

Nominal Characteristic Impedance
75 Ohm

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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 dB/100ft
700 MHz	7 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83 %

## Unbalanced Crosstalk

Typical Unbalanced NEXT %
0.7 MHz

## High Freq

Frequency [MHz]
1 MHz
5 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz
700 MHz
900 MHz
1000 MHz

## Inductance

Nominal Inductance
0.097 $\mu$ H/ft

## Voltage

UL Voltage Rating
300

## Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
RG Type:	RG-59/U Type

### Flame Test

CSA Flammability:	FT4
C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading

### Safety

UL Voltage Rating:	300 V RMS
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### Suitability

Suitability - Aerial:	Yes
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes - Black only

### Mechanical Characteristics

Operating Temp Range:	-30°C To +80°C
Bulk Cable Weight:	54(lbs/1000ft)
Max Recommended Pulling Tension:	102(lbs)
Min Bend Radius/Minor Axis:	2.5(in)

### Temperature Range

UL Temp Rating:	75°C
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### Dimensions

#### Height

0.754

### Plenum/Non-Plenum

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

### History

### Variants

Item #	Color
549945 0101000	BLACK
549945 010500	BLACK
549945 0091000	WHITE
549945 009500	WHITE

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