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**Part Number: 579945**

PTZ, Mini-RG-59 #25, #18-2c, CMG, Siamese



## Product Description

PTZ (CCTV + Power/Audio) Cable, Rated-CMG, 1-RG59 25 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-20 AWG stranded bare copper pair with PVC insulation, Siamese with PVC jacket

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1	1
20	7x28	BC - Bare Copper	0.038 in		

Conductor Count:	3
Conductor Size:	25 AWG

#### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.085 in
PVC - Polyvinyl Chloride	0.056 in

#### Color Chart

Number	Color
1	Black & Red

#### Inner Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.151 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR
31 Ohm/1000ft	5.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
26 pF/ft	16.9 pF/ft
Shielding:	Braid(s)

#### Inductance

Nominal Inductance
0.109 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
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75 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.45 dB/100ft
5 MHz	0.9 dB/100ft
10 MHz	1.3 dB/100ft
50 MHz	3 dB/100ft
100 MHz	4.1 dB/100ft
200 MHz	6 dB/100ft
400 MHz	8.6 dB/100ft
700 MHz	11.6 dB/100ft
900 MHz	13.5 dB/100ft
1000 MHz	14.5 dB/100ft

#### Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
80 ns/100m	1.27 ns/ft	80 %

#### Unbalanced Crosstalk

Typical Unbalanced NEXT %
0.9 MHz

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

Operating Temp Range:	-20°C To +75°C
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#### Mechanical Characteristics

Bulk Cable Weight:	27 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM

#### Applicable Environmental and Other Programs

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

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	679948

#### Part Number

#### Variants

Item #	Color	Footnote
579945 0101000	Black	C
579945 0091000	White	

579945 009500 White

Footnote: C - CRATE REEL PUT-UP.

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