



Product: [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 polyethylene, 95% bare copper braid, 1-20 AWG stranded bare copper pair with PVC insulation, 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

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Coax
Coax(es)	25	Solid	BC - Bare Copper			1
Pair1	20	7x28	BC - Bare Copper	0.038 in	2	
Conductor Count:				3		

Insulation

Element	Material	Nominal Diameter
Coax(es)	PE - Polyethylene (Foam)	0.085 in
Pair1	PVC - Polyvinyl Chloride	0.056 in
Table Notes:		Gas Injected

Color Chart

Number	Color
Coax Core	White
Pair1	Black & Red

Inner Shield

Element	Type	Material	Coverage [%]
Coax(es)	Braid	Bare Copper (BC)	95%
Pair1		No Shield	

Inner Jacket

Nominal Diameter
0.146 in

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.145 in x 0.332 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Inner Shield DCR
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Coax(es)	31 Ohm/1000ft	5.6 Ohm/1000ft
Pair1		

Capacitance

Element	Nom. Capacitance Conductor to Conductor
Coax(es)	16.8 pF/ft
Pair1	

Impedance

Element	Nominal Characteristic Impedance
Coax(es)	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

Element	Max. Delay Skew	Nominal Delay
Coax(es)	80 ns/100m	1.27 ns/ft

Current

Element
Coax(es)
Pair1

Temperature Range

Installation Temp Range:	0°C To +75°C
UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C
Separation Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	27 lbs/1000ft
Max. Pull Tension:	48 lbs

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
RG Type:	59

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
MII Order #39 (China RoHS):	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

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
579945 0101000	Black	Reel	1,000 ft	612825165156
579945 009500	White	Reel	500 ft	612825165149
579945 0091000	White	Reel	1,000 ft	612825165132

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	20 AWG piar is unshielded
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History

Update and Revision:	Revision Number: 0.327 Revision Date: 12-15-2021
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