



Product: [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:	Surveillance, CCTV Camera, PTZ (Pan-Tilt-Zoom)
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Coax
Coax(es)	20	Solid	BC - Bare Copper	0.032 in		1
Pair1	18	7x26	BC - Bare Copper	0.046 in	2	

Conductor Count:	3
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Insulation

Element	Material	Nominal Diameter
Coax(es)	PE - Polyethylene (Foam)	0.145 in
Pair1	PP - Polypropylene	0.059 in

Table Notes:	Gas Injected
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Color Chart

Number	Color
Coax Core	White
Pair1	Black & Red

Inner Shield

Element	Type	Material	Coverage [%]
Coax(es)	Braid	Bare Copper (BC)	90%
Pair1		No Shield	

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 x 0.450 in

Table Notes:	Coax OD = 0.232 in
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Construction and Dimensions

OuterJacket1, Form:	Siamese Construction
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Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
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Coax(es)	3.5 Ohm/1000ft	3.5 Ohm/1000ft
Pair1		

Capacitance

Element	Nom. Capacitance Conductor to Conductor
Coax(es)	16.3 pF/ft
Pair1	22.5 pF/ft

Impedance

Element	Nominal Characteristic Impedance
Coax(es)	75 Ohm

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Coax(es)	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

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

Current

Element
Coax(es)
Pair1

Voltage

UL Voltage Rating
300 V RMS

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:	50 lbs/1000ft
Max. Pull Tension:	75 lbs

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
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