



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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Construction Details

RG Type:	59
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Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	20 AWG	Solid	0.032 in	BC - Bare Copper
Pair1		18 AWG	7x26	0.047 in	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Coax(es)	PE - Polyethylene (Foam)	0.145 in (3.68 mm)	Natural
Pair1	PP - Polypropylene	0.059 in (1.5 mm)	Black & Red

Insulation Table Notes:	Gas Injected
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Inner Shield

Element	Shield Type	Material	Coverage
Coax(es)	Braid	Bare Copper (BC)	90%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.232 x 0.450 in

Electrical Characteristics

Attenuation

Frequency	Nom. 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 dB/100ft
700 MHz	7 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
10.0 Ohm/1000ft (32.8 Ohm/km)	3.5 Ohm/1000ft (11 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%
6.5 Ohm/1000ft (21 Ohm/km)				

Voltage

UL Voltage Rating
300 V RMS (UL Type CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
75°C	-30°C To +75°C	0°C To +75°C

Bend Radius

Stationary Min.
2.5 in (64 mm)

Max. Pull Tension:	102 lbs (46.3 kg)
Bulk Cable Weight:	54 lbs/1000ft (80 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Aerial - Black only, When supported by messenger wire
Flammability / Reaction to Fire:	UL 1581 VERTICAL FLAME TEST
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	649948

Product Notes

Notes:	18 AWG pair is unshielded
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History

Update and Revision:	Revision Number: 0.700 Revision Date: 02-11-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
549945 010500	Black	Reel	500 ft	612825162742	C
549945 0101000	Black	Reel	1,000 ft	612825162735	C
549945 009500	White	Reel	500 ft	612825162728	C
549945 0091000	White	Reel	1,000 ft	612825162711	C
Footnote:	C - CRATE REEL PUT-UP.				

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