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**Part Number: 539945**

**PTZ, RG-6 #18, #18-2c, CMG, Siamese**



## Product Description

PTZ (CCTV + Power/Audio) Cable, Rated-CMG, 1-RG6 18 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polyolefin 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

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1	1
18	7	BC - Bare Copper	0.046 in		

Conductor Count:	3
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.18 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

Material
Unshielded

#### Outer Jacket Material

Nominal Diameter
0.485 in
0.542 in

Weight:	0.58 lbs
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### Construction and Dimensions

OuterJacket1, Nominal Width:	0.6 mm
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### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR
6.4 Ohm/1000ft	6.4 Ohm/1000ft	3.1 Ohm/1000ft

## Capacitance

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

Shielding:	Braid(s)
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## Inductance

Nominal Inductance
0.097 $\mu$ H/ft

## Impedance

Nominal Characteristic Impedance
75 Ohm

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
5 MHz	0.45 dB/100ft
10 MHz	0.64 dB/100ft
50 MHz	1.46 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	5.8 dB/100ft
900 MHz	6.7 dB/100ft
1000 MHz	7.1 dB/100ft

## Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.22 ns/ft	83 %

## High Freq

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

## Voltage

UL Voltage Rating
300 V RMS
300 V RMS

## Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	50 lbs/1000ft
Max Recommended Pulling Tension:	114 lbs
Min Bend Radius/Minor Axis:	2.75 in

## Dimensions (WxHxD)

Height
0.583

## Standards

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

### Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
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, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	639948

### Part Number

#### Variants

Item #	Color	Footnote
539945 0101000	Black	C
539945 010500	Black	C
539945 0091000	White	C
539945 009500	White	C

Footnote:	C - CRATE REEL PUT-UP.
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