

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
------------------------	--

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
---------	----------

Construction and Dimensions

OuterJacket1, Nominal Width:	0.6 mm
------------------------------	--------

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)
------------	----------

Inductance

Nominal Inductance
0.097 μ 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
-----------------------	-----

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.
-----------	------------------------

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.