



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

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	

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
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, LSOH, 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

Related Part Numbers

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

Product Notes

Notes:	20 AWG pair is unshielded
--------	---------------------------

History

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

© 2022 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.