

Part Number: 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 polyolefin, 95% bare copper braid, 1-20 AWG stranded bare copper pair with PVC insulation, Siamese with PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1	1
20	7x28	BC - Bare Copper	0.038 in		

Conductor Count:	3
Conductor Size:	25 AWG

Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.085 in
PVC - Polyvinyl Chloride	0.056 in

Color Chart

Number	Color
1	Black & Red

Inner Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %
	Unshielded	

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.151 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR
31 Ohm/1000ft	5.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
26 pF/ft	16.9 pF/ft
Shielding:	Braid(s)

Inductance

Nominal Inductance
0.109 μ H/ft

Impedance

Nominal Characteristic Impedance

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

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
80 ns/100m	1.27 ns/ft	80 %

Unbalanced Crosstalk

Typical Unbalanced NEXT %
0.9 MHz

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +75°C
-----------------------	----------------

Mechanical Characteristics

Bulk Cable Weight:	27 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	679948

Part Number

Variants

Item #	Color	Footnote
579945 0101000	Black	C
579945 0091000	White	

579945 009500 White

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.