
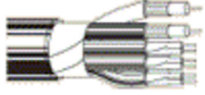


Product: [1263B](#) 



Composite Cameras and CCTV

Product Description

Composite, 2 Coax, RG-59 25 AWG BC, stranded (7x33), foil + TC braid 95% coverage, 3 PR 22 AWG TC, stranded (7x30), foil shield, 3 Conductor, overall PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Electronic News Gathering (ENG), Electronic Field Production (EFP), Analog Audio + Digital Video Composite Applications, 2 V + 3A
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs	No. of Coax
Coax(es)	25	Stranded	BC - Bare Copper	0.021 in	3		2
Twisted Pairs	22	7x30	TC - Tinned Copper	0.03 in		3	
					3		

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.1 in
PP - Polypropylene	0.046 in

Color Chart

Number	Color
1	Red
2	Black
1	Black and Red
2	Black and Red
3	Black and Red
1	Brown
2	Red
3	Orange

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Duofoil®	100%	TC - Tinned Copper	0.03 in	22	7x30
Braid	2	Tinned Copper (TC)		95%				
Tape		Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%				

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.16 in
PVC - Polyvinyl Chloride	0.125 in

Outer Jacket Material

Material	Nominal Diameter
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PVC - Polyvinyl Chloride 0.492 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR	Outer Conductor DCR
30.2 Ohm/1000ft	30.2 Ohm/1000ft	5.9 Ohm/1000ft	11.3 Ohm/1000ft	5.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	Nom. Capacitance Conductor to Shield
32 pF/ft	58 pF/ft	17.3 pF/ft

Impedance

Nominal Characteristic Impedance
75 Ohm
50 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.45 dB/100ft
5 MHz	1.1 dB/100ft
10 MHz	1.5 dB/100ft
50 MHz	3.2 dB/100ft
100 MHz	4.3 dB/100ft
300 MHz	10.6 dB/100ft
500 MHz	13.8 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78%
	66%

Voltage

Non-UL Voltage Rating	UL Voltage Rating
150 V RMS	30 V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	107 lbs/1000ft
Max. Pull Tension:	135 lbs
Min. Bend Radius/Minor Axis:	5 in

Standards

RG Type:	Mini 59
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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:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL voltage rating: 30 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
1263B J5C500	Black, Vivid Matte	Reel	500 ft	612825109938
1263B J5C1000	Black, Vivid Matte	Reel	1,000 ft	612825109921

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes: Round Construction

History

Update and Revision: Revision Number: 0.272 Revision Date: 09-10-2021

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