

Part Number: 9265

Composite ENG, EFP and CCTV



Product Description

Composite, RG-59 22 AWG BC Coax, stranded (7x30), BC braid 95% coverage, 1 PR 22 AWG TC, stranded (7x30), w/drain wire, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
22	Stranded	BC - Bare Copper	0.03 in	1	1
22	7x30	TC - Tinned Copper	0.03 in		

Total Number of Pairs:	1
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Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.146 in
PVC - Polyvinyl Chloride	0.054 in

Color Chart

Number	Color
1	Black
2	Red

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Braid	BC - Bare Copper		95 %	TC - Tinned Copper	0.03 in	22	7x30
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %				

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.47 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Nominal Outer Shield DCR
15 Ohm/1000ft		2.6 Ohm/1000ft	11 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
51 pF/ft	17.3 pF/ft
	95.5 pF/ft

Inductance

Nominal Inductance

0.09 µH/ft

Impedance**Nominal Characteristic Impedance**

75 Ohm

35 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
5 MHz	0.7 dB/100ft
10 MHz	1 dB/100ft
50 MHz	2.1 dB/100ft
100 MHz	3 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %
	58 %

Voltage**UL Voltage Rating**

30 V RMS

Electrical Characteristics Notes: Coax Nominal Voltage Breakdown Jacket (Shield to Ground) = 22kV RMS

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	58 lbs/1000ft
Max Recommended Pulling Tension:	68 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CL2
UL AWM Style:	UL Style 20006
RG Type:	59/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	No
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

UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	UPC	Length	Footnote
9265 0101000	Black	612825226000	1,000 ft	C
9265 010500	Black	612825226017	500 ft	C

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes: Simaese Type Construction.

History

Update and Revision: Revision Number: 0.164 Revision Date: 08-22-2019

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