



Product: [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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
Coax(es)	22	Stranded	BC - Bare Copper	0.03 in		1
Pair(s)	22	7x30	TC - Tinned Copper	0.03 in	1	

Total Number of Pairs:	1
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Insulation

Element	Material	Nominal Diameter
Coax(es)	PE - Polyethylene (Foam)	0.146 in
Pair(s)	PVC - Polyvinyl Chloride	0.054 in

Color Chart

Number	Color
1	Black
2	Red

Inner Shield

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Coax(es)	Braid	Bare Copper (BC)		95%	TC - Tinned Copper	0.03 in	22	7x30
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%				

Outer Jacket

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

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
Coax(es)	51 pF/ft	17.3 pF/ft
Pair(s)		95.5 pF/ft

Inductance

Nominal Inductance
0.09 µH/ft

Impedance

Element	Nominal Characteristic Impedance
Coax(es)	75 Ohm

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Coax(es)	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

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

Voltage

UL Voltage Rating
30 V RMS

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

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

Mechanical Characteristics

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

Standards

NEC/(UL) Compliance:	CL2
UL AWM Style Compliance:	AWM 20006
CPR Euroclass:	Eca
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:	No
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
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9265 010500	Black	Reel	500 ft	612825226017
9265 0101000	Black	Reel	1,000 ft	612825226000

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Simaese Type Construction.
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History

Update and Revision:	Revision Number: 0.356 Revision Date: 04-29-2024
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