



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

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

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

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

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

Product Notes

Notes:	Simaese Type Construction.
--------	----------------------------

History

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

© 2025 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.