

Product: 9165 ☑



Composite ENG, EFP and CCTV

Product Description

Composite, RG-59 22 AWG BC Coax, stranded (7x30), BC braid 95% coverage, 3 PR 22 AWG TC, stranded (7x30), w/drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications: harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.

Construction Details

RG Type:	59		

Conductor

Size	Stranding	Nom. Diameter	Material
22	7x30	0.03 in	BC - Bare Copper
22	7x30	0.029 in	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.146 in (3.71 mm)	Black and Red, Orange and Brown, Green and White
PVC - Polyvinyl Chloride	0.054 in (1.4 mm)	

Inner Shield

Shield Type	Material	Material Trade Name	Coverage
Braid	Bare Copper (BC)	Beldfoil® (Z-Fold®)	95%
Tape	Bi-Laminate (Alum+Poly)		100%

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Outer Jacket

Material	Nom. Diameter	
PVC - Polyvinyl Chloride	0.290 x 0.561 in	

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
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
400 MHz	7.4 dB/100ft

Electricais

15.0 Ohm/1000ft (49.2 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	17.3 pF/ft (56.8 pF/m)	75 Ohm	78%	
			35 Ohm	58%	

Voltage

UL Voltage Rating 30 V RMS

Mechanical Characteristics

Temperature

Operating
-30°C To +60°C

Max. Pull Tension:	147 lbs (66.7 kg)	
Bulk Cable Weight:	85 lbs/1000ft (130 kg/km)	

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor, Aerial - Black only, When supported by messenger wire
NEC / UL Compliance:	CL2X
AWM Compliance:	AWM 20006
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Siamese Type Construction. Coax jacket diameter: .240 in. Pairs jacket diameter: .290 in.

History

Update and Revision:	Revision Number: 0.283 Revision Date: 09-07-2025	

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9165 010500	Black	Reel	500 ft	612825225058	С
9165 0101000	Black	Reel	1,000 ft	612825225041	С
Footnote:			C - CRATE	REEL PUT-UP.	

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