Belden



Product: 9228

93Ω RG-62A/U Type, #22 Sol BCCS, Semi-solid PE, BC Braid, HDPE Jkt, Burial

Product Description

Coax 93Ω RG-62A/U Type, 22 AWG solid bare copper-covered steel, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), high-density polyethylene jacket, Burial

Technical Specifications

Product Overview

Suitable Applications:	Computer, Instrumentation

Construction Details

RG Type:	62

Conductor

Size	Stranding	Nom. Diameter	Material
22 AWG	Solid	0.025 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene (Semi-Solid)	0.146 in (3.71 mm)	White	Solid PE monofilament spiral around conductor. Solid PE tube over monofilament

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	0.242 in (6.15 mm)

Outer Jacket1 Table Notes:	Flooding grease under jacket
Overall Cable Diameter (Nominal):	0.242 in (6.15 mm)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.25 dB/100ft
10 MHz	0.85 dB/100ft
50 MHz	1.90 dB/100ft
100 MHz	2.70 dB/100ft
200 MHz	3.80 dB/100ft
400 MHz	5.30 dB/100ft
700 MHz	7.30 dB/100ft
900 MHz	8.20 dB/100ft
1000 MHz	8.70 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
41.2 Ohm/1000ft	2.9 Ohm/1000ft (9.5 Ohm/km)	13.5 pF/ft (44.3 pF/m)	93 Ohm	84%

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-55°C to +80°C

Bend Radius

Installation Min.
2.4 in (61 mm)

Max. Pull Tension:	88 lbs (40 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Sunlight Resistance - Black only, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.474 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9228 010500	Black	Reel	500 ft	612825225539	C
9228 0101000	Black	Reel	1,000 ft	612825225515	C
9228 0102000	Black	Reel	2,000 ft	612825225522	C
9228 0105000	Black	Reel	5,000 ft	612825225546	C

Footnote:	C - CRATE REEL PUT-UP.

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