



**Product:** [9250](#)

95Ω Twinax RG-22B/U Type, 1Pr #18 Str BC, PE Ins, PE Inner Jkt, Two TC Braids, Non-contaminating PVC Jkt

### Product Description

Twinax 95Ω RG-22B/U Type, 1 Pair, 18 AWG (7x26) bare copper, polyethylene insulation, polyethylene inner jacket, tinned copper double braid shield (95% coverage each), non-contaminating PVC jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Computer, Instrumentation
------------------------	---------------------------

#### Construction Details

RG Type:	22
----------	----

#### Conductor

Size	Stranding	Nom. Diameter	Material	Notes
18 AWG	7x26	0.046 in	BC - Bare Copper	
18 AWG	7x26	0.046 in	BC+TC - Bare Copper + Tinned Copper	Only center strand is Tinned

#### Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene	0.089 in (2.3 mm)	Clear	PE on both conductors
PE - Polyethylene	0.282 in (7.16 mm)	Clear	PE over pair

#### Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Tinned Copper (TC)	95%
2	Braid	Tinned Copper (TC)	95%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.416 in (10.6 mm)

Overall Cable Diameter (Nominal):	0.416 in (10.6 mm)
-----------------------------------	--------------------

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.30 dB/100ft
10 MHz	0.90 dB/100ft
20 MHz	1.30 dB/100ft
50 MHz	2.10 dB/100ft
100 MHz	3.00 dB/100ft
200 MHz	4.50 dB/100ft
400 MHz	6.30 dB/100ft

##### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Cond (Mutual)	Nom. Characteristic Impedance	Nom. Velocity of Prop.
--------------------	-----------------------	--	-------------------------------	------------------------

6.6 Ohm/1000ft	0.9 Ohm/1000ft (3.0 Ohm/km)	16.0 pF/ft (52.5 pF/m)	95 Ohm	66%
----------------	-----------------------------	------------------------	--------	-----

#### Transfer Impedance

Frequency	Max. Transfer Impedance
1 MHz	0.7 mOhm/m
10 MHz	1.0 mOhm/m
50 MHz	7.0 mOhm/m

#### Voltage

Voltage Rating
750 V

## Mechanical Characteristics

#### Temperature

Operating
-40°C to +60°C

#### Bend Radius

Installation Min.
4.5 in (110 mm)

Max. Pull Tension:	237 lbs (108 kg)
Bulk Cable Weight:	113 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Outdoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.494 Revision Date: 02-03-2025
----------------------	--

## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9250 010500	Black	Reel	500 ft	612825225751	C
9250 0101000	Black	Reel	1,000 ft	612825225744	C

© 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.