



**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
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**Construction Details**

RG Type:	22
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**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)
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**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.
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6.6 Ohm/1000ft	0.9 Ohm/1000ft (3.0 Ohm/km)	16.0 pF/ft (52.5 pF/m)	95 Ohm	66%
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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
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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

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