



Product: [9222](#)

50Ω Triax RG-58A/U Type, #20, PO, TC Braids, PVC Jkt



### Product Description

50 Ohm Triax RG-58A/U Type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shields (95% coverage), PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	Analog video, Composite Video, Video Distribution
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#### Construction Details

RG Type:	58
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#### Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	20 AWG	7x28	0.038 in	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Coax(es)	PE - Polyethylene	0.12 in (3.0 mm)	White

#### Inner Shield

Element	Layer	Shield Type	Material	Coverage
Coax(es)	1	Braid	Tinned Copper (TC)	95%

#### Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	0.177 in (4.50 mm)

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.241 in (6.12 mm)

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.5 dB/100ft
10 MHz	1.5 dB/100ft
50 MHz	3.3 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	7.2 dB/100ft
400 MHz	12 dB/100ft
500 MHz	14 dB/100ft

700 MHz	18 dB/100ft
900 MHz	22 dB/100ft
1000 MHz	24 dB/100ft

## Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Delay Skew
9.5 Ohm/1000ft	4.7 Ohm/1000ft (15 Ohm/km)	4.3 Ohm/1000ft (14 Ohm/km)	30.8 pF/ft (101 pF/m)	50 Ohm	66%	66 ns/100m

## Voltage

Voltage Rating
1400 V RMS

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
75°C	-40°C To +75°C

### Bend Radius

Stationary Min.	Installation Min.
2.41 in (61.2 mm)	2.41 in (61.2 mm)

Max. Pull Tension:	92 lbs (42 kg)
Bulk Cable Weight:	39 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Indoor
CPR Compliance:	CPR Euroclass: Fca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

## History

Update and Revision:	Revision Number: 0.477 Revision Date: 05-25-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9222 004100	Yellow	Reel	100 ft	612825225430	
9222 004500	Yellow	Reel	500 ft	612825225447	C
9222 004U500	Yellow	UnReel	500 ft	612825225423	

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