

Product: <u>9222</u> 23

 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

Troduct Overview			
Suitable Applications:	Analog video, Composite	Video, Video Distribution	
Construction Details			
RG Type:	58		
Conductor			
Element No. of Elements Size	Stranding Nom. Diamete		
Coax(es) 1 20 AWG	G 7x28 0.038 in	TC - Tinned Copper	
Insulation			
	Insulation Diameter Color C	Code	
Coax(es) PE - Polyethylene 0.12 in	(3.0 mm) White		
Inner Shield			
Element Layer Shield Type	Material Coverage		
Coax(es) 1 Braid Tinr	ned Copper (TC) 95%		
Inner Jacket			
Material Nom. Diameter			
PE - Polyethylene 0.177 in (4.50 mm)			
Outer Shield			
Layer Outer Shield Type Ma	terial Coverage		
1 Braid Tinned C	Copper (TC) 95%		
Outer Jacket			
Material Nom. Dia	meter		
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.	
2.41 in (61.2 mm)	2.41 in (61.2 mm

2.41 III (01.2 IIIII) 2.41 III (01.2 IIIII)	
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: 0.478 Revision Date: 04-29-2024

Part Numbers

Variants

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

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