



**Product:** [8259](#) 

50 Ohm Wireless Transmission Coax, RG-58, 20 AWG Str TC, 95% TC Braid, PVC Jkt

### Product Description

50 Ohm Wireless Transmission Coax, RG-58, 20 AWG (19x33) Tinned Copper Conductor , PE Insulation, 95% Tinned Copper Braid Shield, PVC Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
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#### Construction Details

RG Type:	58
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#### Conductor

AWG	Stranding	Nom. Diameter	Material
20	19x33	0.035 in	TC - Tinned Copper

#### Insulation

Material	Nom. Diameter
PE - Polyethylene	0.117 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.193 in

#### Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.4 dB/100ft
10 MHz	1.5 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	5.4 dB/100ft
200 MHz	8.1 dB/100ft
400 MHz	12.4 dB/100ft
700 MHz	17.7 dB/100ft
900 MHz	21.1 dB/100ft
1000 MHz	22.8 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance	Nom. Velocity
9.7 Ohm/1000ft	3.8 Ohm/1000ft	30.8 pF/ft	50 Ohm	66%

#### Voltage

<b>Non-UL Voltage Rating</b>
1900 V

## Mechanical Characteristics

### Temperature

<b>Operating</b>
-30°C to +75°C

### Bend Radius

<b>Installation Min.</b>
1.9 in

Bulk Cable Weight:	25 lbs/1000ft
Max. Pull Tension:	39 lbs

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.345 Revision Date: 09-30-2020
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