

**Product:** <u>8259</u> ☑



50 Ohm Wireless Transmission Cable, RG58, 20 AWG, Stranded TC, 95% TC ■ Braid, PVC Jkt

# **Product Description**

50 Ohm Wireless Transmission Cable, RG58, 20 AWG, 19x33 Tinned Copper Conductor, PE Insulation, 95% Tinned Copper Braid Shield, PVC Jacket

## **Technical Specifications**

### **Product Overview**

Suitable Applications: Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)

Construction Details

RG Type: 58

### Conductor

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

#### Insulation

Material	Nom. Diameter
PE - Polyethylene	0.117

#### **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**

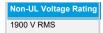
#### Attenuation

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. Impedence	Nom. Velocity
9.7 Ohm/1000ft	3.8 Ohm/1000ft	30.8 pF/ft	50 Ohm	66%

#### Voltage



#### **Mechanical Characteristics**

#### Temperature

Operating -30°C To +75°C

#### **Bend Radius**

# Stationary Min.

2 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
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### **History**

Update and Revision:	Revision Number: 0.307 Revision Date: 06-12-2020

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