Product: 8219 ↗

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

Product Description

50 Ohm Wireless Transmission Coax, RG-58, 20 AWG (19x32) Tinned Copper Conductor , PE Insulation, 95% Tinned Copper Braid Shield, PVC Jacket, CM

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)

Construction Details

RG Type:	58

Conductor

AWG	Stranding	Nom. Diameter	Material
20	19x32	0.037 in	TC - Tinned Copper

Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.116

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	1.3 dB/100ft
50 MHz	3.1 dB/100ft
100 MHz	4.5 dB/100ft
200 MHz	6.6 dB/100ft
400 MHz	10.0 dB/100ft
700 MHz	14.2 dB/100ft
900 MHz	16.6 dB/100ft
1000 MHz	18.1 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
8.8 Ohm/1000ft	4.1 Ohm/1000ft	26.0 pF/ft	54 Ohm	76%

Voltage

UL Voltage Rating
300 V (CM), 30 V (UL AWM 1354)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C	-30°C to +75°C

Bend Radius

Installation Min.
1.9 in

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	50 lbs

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading
NEC / UL Compliance:	CM
AWM Compliance:	1354
CEC / C(UL) Compliance:	CM
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)
Other Standard Compliance(s):	SC-182/5

History

Update and Revision:	Revision Number: 0.329 Revision Date: 07-31-2020

Mouser Electronics

Authorized Distributor

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