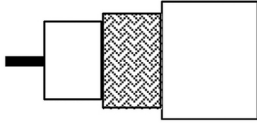




Product: [MRG5800](#)



MRG5800 - Mil-Spec Coax, 50 Ohm, RG-58, 20 AWG Str TC, 95% TC Braid, PVC Jkt, Commercial

[Request Sample](#)

Product Description

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

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

No. of Elements	Size	Stranding	Material
1	21 AWG	Stranded	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene	2.95 mm (0.116 in)

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	93%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	4.95 mm

Table Notes:	According to EN 50290-2-20
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Electrical Characteristics

Regularity of Impedance:	Min. 40 dB
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Return Loss (RL)

Frequency	Min. Return Loss
5 - 30 MHz	20 dB
30 - 470 MHz	20 dB
470 - 1000 MHz	18 dB

Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
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Attenuation

Frequency	Nom. Attenuation
10 MHz	4.7 dB/100m
200 MHz	23 dB/100m
400 MHz	34 dB/100m
1000 MHz	60 dB/100m

Table Notes:	Max. attenuation 10% higher
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Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
40.6 Ohm/km (12.4 Ohm/1000ft)	100 pF/m (30 pF/ft)	50 Ohm	66%

Voltage

Voltage Rating
4000 V DC / 2000 V RMS

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +70°C	-5°C To +50°C	-40°C To +70°C

Bend Radius

Stationary Min.
25 mm (0.98 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
Military Compliance:	MIL-C-17
CENELEC Compliance:	EN 50290-2-20EN 50289
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.196 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
MRG5800.10100	Black	Reel	100 m	8719605103239
MRG5800.00B200	Black	Flat Box	200 m	8719605103208
MRG5800.00500	Black	Reel	500 m	8719605103192
MRG5800.12100	White	Reel	100 m	8719605103246
MRG5800.02500	White	Reel	500 m	8719605103222

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