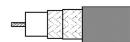


Product: MRG214



MRG2140 - Mil-Spec Coax, 50 Ohm, RG-214, 13 AWG Str SC, Double SC Braid, PVC Jkt, Commercial

Product Description

Mil-Spec Coax, 50 Ohm, RG-214, 13 AWG (7x21) Silvered Copper Conductor, PE Insulation, 95%/90% Silvered 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)			
Construction Details			
RG Type:	214		
Conductor			
No. of Elements Size	Stranding Nom. Diameter Material		
1 13 AWG	Stranded 2.25 mm SCCS - Silvered Copper Covered Steel		
Insulation			
	sulation Diameter		
PE - Polyethylene 7.25 mm	ı (0.285 in)		
Outer Shield			
Layer Outer Shield Type	Material Coverage		
	Silvered Copper (SC) 86%		
2 Braid	Silvered Copper (SC) 90%		
Outer Jacket			
	om. Diameter		
PVC - Polyvinyl Chloride 10			
Table Notes:	According to European Standard EN 50290-2-20		
Electrical Characteris	stics		
Return Loss (RL)			
Frequency Min. Retu	rn Loss		
100 - 1000 MHz 23 dB			
Attenuation			
Frequency Nom. Attenuat	tion		
50 MHz 4.3 dB/100m			
230 MHz 9.9 dB/100m			
470 MHz 14.9 dB/100m			
860 MHz 21.3 dB/100m			

Table Notes:

Power Rating

Frequency Max. Power Rating

Max. attenuation 10% higher

100 MHz	760 W
1,000 MHz	175 W

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
6 Ohm/km (1.8 Ohm/1000ft)	3.1 Ohm/km (0.94 Ohm/1000ft)	100 pF/m (30 pF/ft)	50 Ohm	66%

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. 110 mm (4.3 in)		
Bulk Cable Weight:	181 kg/km	

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca		
Flammability / Reaction to Fire:	EC 60332-1-2		
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca		
ISO/IEC Compliance:	IEC 61196 UKCA Mark		
UK Regulation Compliance:			

History

Update and Revision: Revision Number: 0.198 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
MRG214.0025	Black	Reel	25 m	8719605103123
MRG214.00100	Black	Reel	100 m	8719605103116
MRG214.00200	Black	Reel	200 m	8719605181602
MRG214.00500	Black	Reel	500 m	8719605103130

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