

- Information



www.telecomtender.com



Prod.

RG214 Jumper

Prod No.

FC-Jumper-rf-rg214

Application and Properties:

RG214 jumper made from rg214 coaxial cable and RF connectors. It has a plated copper and also its inner conductor is a copper-clad aluminum wire. Specific structure of the cable leads to higher conductivity and flexibility, better performance and lower attenuation compared to feeder cables (Superflex scf or lcf). Impedance of this jumper is 50 ohms and it is used for high-frequency signal transmission and is Useful as a connection from your RF source (transmitter) to a load or watt meter (typically a Bird 43) and as a coaxial cable jumper from wattmeters to 50 ohm load or antenna.

Applications :

- GPS
- CATV
- LAN/WAN

- Other Details

- High quality and excellent performances
- High reliability and safety
- Fast and easy installation
- Low attenuation and low loss and low VSWR
- Excellent electrical conductivity
- High operating voltage
- operating frequency to 11 GHz
- Resistant to flames, sparks & Flame propagation
- Flexible
- Resistant to aging
- High dimensional stability
- Compliance with military (MIL-C-17) and international standards (IEC, etc)

- Technical Specification

Technical Specifications

General specifications

Cable	RG-214
Connector	N male-Right Angle
Impedance	50ohms
Frequency Range	DC~11GHz

VSWR		≤1.15
Cable specification		
Construction		
Inner Conductor	Material	Stranded silver-coated copper wire 7×0.75 mm
	Diameter, mm (inch)	2.25±0.02 (0.0888±0.0010)
Insulation	Material	PE
	Diameter, mm (inch)	7.24±0.17 (0.285±0.007)
Outer Conductor	1st shield	Silver-coated copper wire
	Nominal coverage of 1st shield	95.7 %
	2nd shield	Silver-coated copper wire
	Nominal coverage of 2nd shield	98.0 %
Jacket	Diameter, mm (inch)	9.11 (Nom.) (0.360)
	Material	PVC
Mechanical specification		
Operating temperature range		-40°C to +85 °C
Maximum weight		13.0 pounds per 100 foot (197 g per m)
Minimum bend radius (install)/minor axis		6 in
Electrical specification		
Characteristic impedance		50 Ω
Maximum capacitance		32.2 Pf per foot (105.6 Pf per m)
(Inductance (μH		0.077
Nominal propagation velocity		65.9 %
DC resistance of inner conductor (maximum at 20 °C)		0.173 Ω per 100 feet
Maximum continuous working voltage		3,700 rms
Attenuation and rating power		
Frequency MHz	Max. Attenuation @20°C,dB/100m	Maximum power rating
1	0.17	
10	0.55	
50	1.3	1500
100	1.9	907
200	2.7	549
400	4.1	332
700	6.5	221
900	7.6	184
1000	8.0	171
4000	20.0	62
Connector specification		
Gender		Male
Termination Method		Crimp, Solder
Body Orientation		Right Angle
Impedance		50Ω
Operating Frequency Range		DC-11GHz
Contact Material		Copper Zinc Alloy