

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket



RG316-DS-PROD

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Inner Conductor DC Resistance		83.82		Ohms/1000ft
Outer Conductor DC Resistance		5.33		Ohms/1000ft
Velocity of Propagation		69.5		%
Shielding Effectiveness	85			dB
Operating Voltage (AC)			1,200	Vrms
Nominal Capacitance		28.96 [95.01]		pF/ft [pF/m]
Insulation Resistance	304.8			MOhms/1000ft

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	2	3	GHz
Attenuation, Max	10.97	20.97	37.95	45.05	57.94	dB/100ft
	35.99	68.8	124.51	147.8	190.09	dB/100m
Attenuation, Typ	8.29	17.5	29	39.41	53.55	dB/100ft
	27.2	57.41	95.14	129.3	175.69	dB/100m
Input Power (CW), Max	375	185	120	85	65	Watts

Mechanical Specifications

Diameter	0.114 in [2.9 mm]
Weight	0.014 lbs/ft [0.02 kg/m]
Min. Bend Radius (Installation)	0.59 in [14.99 mm]
Min. Bend Radius (Repeated)	1.57 in [39.88 mm]

Construction Specifications

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Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver , 7 Strands Strand(s)	0.02in 0.51mm
Conductor Type	Stranded	
Dielectric	PTFE	0.06in 1.52mm
First Shield	Silver Plated Copper Braid	
Second Shield	Silver Plated Copper Braid	0.094 in [2.39 mm]
Jacket	FEP, Tan	0.114in [2.9mm]

Environmental Specifications

Temperature

Operating Range

-55deg C to +200deg C

Storage Range

0deg C to +40deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

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