

RG 316 DS Coaxial RF Cable

High-flexibility RG-316 DS coaxial cable with a **5-layer design** for reliable signal performance and durability. Features include a **PTFE (Teflon) dielectric**, **braided shielding**, **foil shield**, and double **silver copper outer braid** for excellent EMI/RFI protection, low loss up to high frequencies, and outstanding chemical/temperature resistance. Ideal for RF, aerospace, instrumentation, test equipment, and high-frequency applications.

Cable



Part No. TE-RFC-RG316DS-D2.54

1. InnerConductor	Silver plated copper wire
2. Insulation	Solid PTFE
3. Outer Conductor 1	Silver Plated Copper Braid Wire
4. Outer Conductor 2	Silver Plated Copper Braid Wire
5. Jacket	FEB Brown



Physical Characteristics

Inner Conductor Dia.	7/0.18 mm	Durability	> 5000
Insulation Dia.	1.52 mm	Nominal Weight	0.18Kg/m
Outer Conductor Dia. 1	70*0.10 mm	Min Bending Radius	static 55.2 mm
Outer Conductor Dia. 2	70*0.10 mm	Working Temp.	-25°C~+85°C
Jacket Dia.	2.54 mm	Outer Jacket Stress Tolerance	150-250N/200mm

Electrical Characteristics

Frequency	100MHz	400MHz	1000MHz	3000MHz	Impedance	50 ohms
VSWR Max	1.05	1.08	1.10	1.15	Velocity	> 70%
Insertion Loss (dB/100 m @20 °C)	29.2	57.4	95.1	175.9	Screening Effectiveness	> 90 dB
					DC Resistance Inner Conductor	< 275.00 ohm/km
Power(watts)	420	210	135	72		
Capacitance	100pF/m				DC Resistance Outer Conductor	< 21.30 ohm/km

TE TECH SOLUTION

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Power handling	40KW	Insulation Resistance	$\geq 5000M\Omega$
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