

RG 316 Coaxial RF Cable

High-flexibility RG-316 coaxial cable with a **4-layer design** for reliable signal performance and durability. Features include a **PTFE (Teflon) dielectric**, **braided shielding**, **foil shield**, and a **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-RG316-D2.54

1. InnerConductor	Silver plated copper wire
2. Insulation	Solid PTFE
3. Outer Conductor	Silver Plated Copper Braid Wire
4. 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.	70*0.10 mm	Min Bending Radius	static 55.2 mm
Jacket Dia.	2.54 mm	Working Temp.	-25°C ~ +85°C
		Outer Jacket Stress Tolerance	150-250N/200mm

Electrical Characteristics

Frequency	100MHz	400MHz	1000MHz	3000MHz	6000MHz	Impedance	50 ohms
VSWR Max	1.05	1.08	1.10	1.15	1.20	Velocity	> 70%
Insertion Loss (dB/100 m @20 °C)	29.2	57.4	95.1	175.9	234.7	Screening Effectiveness	> 90 dB
Power(watts)	420	210	135	72	52	DC Resistance Inner Conductor	< 275.00 ohm/km
Capacitance	100pF/m					DC Resistance Outer Conductor	< 21.30 ohm/km
Power handling	40KW					Insulation Resistance	≥5000MΩ

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