



HIGH TEMPERATURE RF COAXIAL CABLE

MIL-C-17 / high temperature RF references

6 orderable sizes

STANDARD MIL-C-17 / high temperature RF references	CONDUCTOR Silver-plated copper or copper-clad steel conductor	INSULATION / JACKET FEP, PTFE or LSZH high-temperature jacket
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Construction

- 1 ■ Centre conductor – Silver-plated copper conductor
- 2 ■ Dielectric – PTFE dielectric
- 3 ■ Foil screen – Aluminium/polyester foil
- 4 ■ Braid screen – Braid shield (C)
- 5 ■ Sheath – FEP, PTFE or LSZH high-temperature jacket

Size selection — all available cross-sections

Cable reference	Application	Coax reference	Impedance	Center conductor	Dielectric	Shield construction	Jacket	OD guide	Electrical reference
RG142 FEP Coaxial Cable	High-temperature RF, aerospace, test and instrumentation route	RG142	50 Ω	Silver-plated copper-clad steel conductor	PTFE dielectric	Double silver-plated copper braid	FEP jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m at 400 MHz guide; 70% nominal velocity factor
RG142 PTFE Coaxial Cable	High-temperature RF, aerospace, test and instrumentation route	RG142	50 Ω	Silver-plated copper-clad steel conductor	PTFE dielectric	Double silver-plated copper braid	PTFE jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m at 400 MHz guide; 70% nominal velocity factor
RG142 LSZH high-temperature Coaxial Cable	High-temperature RF, aerospace, test and instrumentation route	RG142	50 Ω	Silver-plated copper-clad steel conductor	PTFE dielectric	Double silver-plated copper braid	LSZH high-temperature jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m at 400 MHz guide; 70% nominal velocity factor
RG400 FEP Coaxial Cable	High-temperature RF, aerospace, test and instrumentation route	RG400	50 Ω	Silver-plated copper conductor	PTFE dielectric	Double silver-plated copper braid	FEP jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m at 400 MHz guide; 70% nominal velocity factor
RG400 PTFE Coaxial Cable	High-temperature RF, aerospace, test	RG400	50 Ω	Silver-plated	PTFE dielectric	Double silver-	PTFE jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m

Cable reference	Application	Coax reference	Impedance	Center conductor	Dielectric	Shield construction	Jacket	OD guide	Electrical reference
	and instrumentation route			copper conductor		plated copper braid			at 400 MHz guide; 70% nominal velocity factor
RG400 LSZH high-temperature Coaxial Cable	High-temperature RF, aerospace, test and instrumentation route	RG400	50 Ω	Silver-plated copper conductor	PTFE dielectric	Double silver-plated copper braid	LSZH high-temperature jacket	4.95 mm	96 pF/m nominal; 0.62 dB/m at 400 MHz guide; 70% nominal velocity factor