



50 Ω RF COAXIAL CABLE

MIL-C-17 / RG type references

3 orderable sizes

STANDARD MIL-C-17 / RG type references	CONDUCTOR Stranded tinned copper conductor	INSULATION / JACKET PVC, LSZH or PE outdoor jacket
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Construction

- 1 ■ **Centre conductor** – Stranded tinned copper conductor
- 2 ■ **Dielectric** – Solid PE dielectric
- 3 ■ **Foil screen** – Aluminium/polyester foil
- 4 ■ **Braid screen** – Braid shield (C)
- 5 ■ **Sheath** – PVC, LSZH or PE outdoor jacket

Size selection — all available cross-sections

Cable reference	Application	Coax reference	Impedance	Center conductor	Dielectric	Shield construction	Jacket	OD guide	Electrical reference
RG58 PE outdoor Coaxial Cable	RF equipment, test lead and antenna jumper	RG58	50 Ω	Stranded tinned copper conductor	Solid PE dielectric	Tinned copper braid screen	PE outdoor jacket	4.95 mm	100 pF/m nominal; 0.64 dB/m at 400 MHz guide; 66% nominal velocity factor
RG58 UV-resistant PVC Coaxial Cable	RF equipment, test lead and antenna jumper	RG58	50 Ω	Stranded tinned copper conductor	Solid PE dielectric	Tinned copper braid screen	UV-resistant PVC jacket	4.95 mm	100 pF/m nominal; 0.64 dB/m at 400 MHz guide; 66% nominal velocity factor
RG58 Direct burial PE Coaxial Cable	RF equipment, test lead and antenna jumper	RG58	50 Ω	Stranded tinned copper conductor	Solid PE dielectric	Tinned copper braid screen	Direct burial PE jacket	4.95 mm	100 pF/m nominal; 0.64 dB/m at 400 MHz guide; 66% nominal velocity factor