



75 Ω CCTV AND VIDEO COAXIAL CABLE

IEC 61196 / RG type references

2 orderable sizes

STANDARD IEC 61196 / RG type references	CONDUCTOR Solid bare copper or copper-clad steel conductor	INSULATION / JACKET PVC, LSZH or PE outdoor jacket
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Construction

- 1 Centre conductor – Solid bare copper or copper-clad steel conductor
- 2 Dielectric – Solid or foam 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
RG59 PE outdoor Coaxial Cable	CCTV, baseband video and short 75 Ω route	RG59	75 Ω	Solid bare copper or copper-clad steel conductor	Solid or foam PE dielectric	Bare copper braid or foil plus braid screen	PE outdoor jacket	6.10 mm	67 pF/m nominal; 0.25 dB/m at 100 MHz guide; 66% to 82% velocity factor
RG59 Direct burial PE Coaxial Cable	CCTV, baseband video and short 75 Ω route	RG59	75 Ω	Solid bare copper or copper-clad steel conductor	Solid or foam PE dielectric	Bare copper braid or foil plus braid screen	Direct burial PE jacket	6.10 mm	67 pF/m nominal; 0.25 dB/m at 100 MHz guide; 66% to 82% velocity factor