



LOW-LOSS RF COMMUNICATION COAXIAL CABLE

IEC 61196 / low-loss RF references

12 orderable sizes

STANDARD IEC 61196 / low-loss RF references	CONDUCTOR Solid bare copper or copper-clad aluminium conductor	INSULATION / JACKET PE outdoor, FR-PVC or LSZH jacket
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Construction

- 1 Centre conductor – Solid bare copper or copper-clad aluminium conductor
- 2 Dielectric – Foam PE dielectric
- 3 Foil screen – Aluminium/polyester foil
- 4 Braid screen – Braid shield (C)
- 5 Sheath – PE outdoor, FR-PVC or LSZH jacket

Size selection — all available cross-sections

Cable reference	Application	Coax reference	Impedance	Center conductor	Dielectric	Shield construction	Jacket	OD guide	Electrical reference
Low Loss 195 PE outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 195	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	PE outdoor jacket	4.95 mm	79 pF/m nominal; 0.50 dB/m at 900 MHz guide; 83% nominal velocity factor
Low Loss 195 FR-PVC indoor/outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 195	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	FR-PVC indoor/outdoor jacket	4.95 mm	79 pF/m nominal; 0.50 dB/m at 900 MHz guide; 83% nominal velocity factor
Low Loss 195 LSZH Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 195	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	LSZH jacket	4.95 mm	79 pF/m nominal; 0.50 dB/m at 900 MHz guide; 83% nominal velocity factor
Low Loss 240 PE outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 240	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	PE outdoor jacket	6.10 mm	79 pF/m nominal; 0.37 dB/m at 900 MHz guide; 83% nominal velocity factor

Cable reference	Application	Coax reference	Impedance	Center conductor	Dielectric	Shield construction	Jacket	OD guide	Electrical reference
Low Loss 240 FR-PVC indoor/outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 240	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	FR-PVC indoor/outdoor jacket	6.10 mm	79 pF/m nominal; 0.37 dB/m at 900 MHz guide; 83% nominal velocity factor
Low Loss 240 LSZH Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 240	50 Ω	Solid bare copper conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	LSZH jacket	6.10 mm	79 pF/m nominal; 0.37 dB/m at 900 MHz guide; 83% nominal velocity factor
Low Loss 400 PE outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 400	50 Ω	Solid bare copper or copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	PE outdoor jacket	10.30 mm	79 pF/m nominal; 0.22 dB/m at 900 MHz guide; 85% nominal velocity factor
Low Loss 400 FR-PVC indoor/outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 400	50 Ω	Solid bare copper or copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	FR-PVC indoor/outdoor jacket	10.30 mm	79 pF/m nominal; 0.22 dB/m at 900 MHz guide; 85% nominal velocity factor
Low Loss 400 LSZH Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 400	50 Ω	Solid bare copper or copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	LSZH jacket	10.30 mm	79 pF/m nominal; 0.22 dB/m at 900 MHz guide; 85% nominal velocity factor
Low Loss 600 PE outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 600	50 Ω	Copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	PE outdoor jacket	14.99 mm	79 pF/m nominal; 0.14 dB/m at 900 MHz guide; 87% nominal velocity factor
Low Loss 600 FR-PVC indoor/outdoor Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 600	50 Ω	Copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	FR-PVC indoor/outdoor jacket	14.99 mm	79 pF/m nominal; 0.14 dB/m at 900 MHz guide; 87% nominal velocity factor
Low Loss 600 LSZH Coaxial Cable	Wireless, cellular, Wi-Fi, GPS and RF feeder route	Low Loss 600	50 Ω	Copper-clad aluminium conductor	Foam PE dielectric	Bonded foil plus tinned copper braid	LSZH jacket	14.99 mm	79 pF/m nominal; 0.14 dB/m at 900 MHz guide; 87% nominal velocity factor

