



**LOW-LOSS RF COMMUNICATION COAXIAL CABLE**

IEC 61196 / low-loss RF references

4 orderable sizes

|   |  |  |
|---|--|--|
| <b>STANDARD</b><br>IEC 61196 / low-loss RF references | <b>CONDUCTOR</b><br>Solid bare copper or copper-clad aluminium conductor | <b>INSULATION / JACKET</b><br>PVC coaxial jacket |
|---|--|--|

**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** – PVC coaxial jacket

**Size selection — all available cross-sections**

| Cable reference   | Application  | Coax reference | Impedance | Center conductor                                     | Dielectric         | Shield construction                  | Jacket                       | OD guide | Electrical reference   |
|---|--|----------------|-----------|--|--------------------|--------------------------------------|------------------------------|----------|--|
| <b>Low Loss 195 FR-PVC indoor/outdoor Coaxial Cable</b> | 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 |
| <b>Low Loss 240 FR-PVC indoor/outdoor Coaxial Cable</b> | 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 |
| <b>Low Loss 400 FR-PVC indoor/outdoor Coaxial Cable</b> | 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 |
| <b>Low Loss 600 FR-PVC indoor/outdoor Coaxial Cable</b> | 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 |