



**LOW-LOSS RF COMMUNICATION COAXIAL CABLE**

IEC 61196 / low-loss RF references

4 orderable sizes

|   |  |   |
|---|--|---|
| <p><b>STANDARD</b><br/>IEC 61196 / low-loss RF references</p> | <p><b>CONDUCTOR</b><br/>Solid bare copper or copper-clad aluminium conductor</p> | <p><b>INSULATION / JACKET</b><br/>PE outdoor, FR-PVC or LSZH jacket</p> |
|---|--|---|

**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 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 |
| 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 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                 |

| Cable reference | Application | Coax reference | Impedance | Center conductor | Dielectric | Shield construction | Jacket | OD guide | Electrical reference |
|-----------------|-------------|----------------|-----------|------------------|------------|---------------------|--------|----------|----------------------|
|                 |             |                |           |                  |            |                     |        |          | velocity factor      |