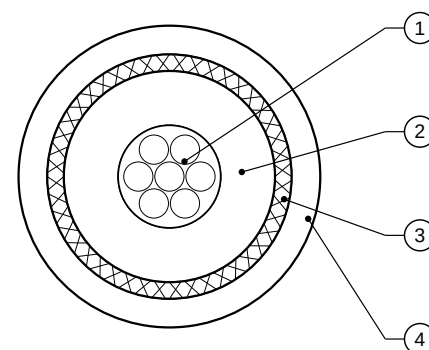


Silicone Coaxial Cable

CONSTRUCTION & TECHNICAL DATA

Characteristic impedance	75 Ω
Nominal outside diameter	6.1 mm
Centre conductor	Stranded bare copper
Dielectric	Fluoropolymer
Shield	Bare-copper braid
Outer sheath	Silicone rubber
Sheath colour	Green
Continuous temperature	-60°C to +180°C
Centre-conductor stranding	7 × 0.20 mm
Nominal centre-conductor diameter	0.60 mm
Nominal dielectric diameter	3.70 mm
Diameter over copper braid	4.85 mm
Approximate cable weight	67 kg/km
Calculated conductor metal area	Approximately 0.22 mm ² ($7 \times \pi \times 0.20^2 / 4$); geometric area, not an AWG designation.

CONSTRUCTION SECTION



1. Stranded bare-copper centre conductor
2. Fluoropolymer dielectric
3. Bare-copper braid shield
4. Silicone rubber outer sheath

Representative section, not to scale. Strand count and packing, core positions and layer proportions are schematic.

SIZE SPECIFICATIONS

Cores	Size / core	Nominal OD (mm)	Reference weight (kg/km)	Construction / variant
1	0.22 mm ²	6.1	67	75 Ω coaxial; 7 × 0.20 mm centre conductor; area ≈0.22 mm ² calculated from strand geometry; nominal cable OD 6.1 mm

Dimensions and weights are reference values. Final construction, tolerances, ratings, colours and supply requirements are subject to the agreed order specification.

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