

RG6 Coaxial Cable for Marine Applications

75Ω RG6 Coaxial Design • Steel Wire Braid Protected • Low Smoke Zero Halogen



Cable Construction



Conductor
18AWG Solid Plain Annealed Copper

Insulation
Extruded FPE (Foam Polyethylene)

Collective Screen
Copper Foil Tape Screen

Tinned Annealed Copper Wire Braid Screen
(≥90% Optical Coverage)

Sheath
Extruded LSZH (Low Smoke Zero Halogen) to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7

Armouring
Galvanised Steel Wire Braid
(In accordance with BS EN 10257-1)

Sheath
Extruded LSZH (Low Smoke Zero Halogen) to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7

Properties & Standards

Electrical

| | | |
|---------------------------------|------|---------|
| Max Conductor Resistance @20°C | 21 | Ω/km |
| Min Insulation Resistance @20°C | 1000 | MΩ/km |
| Max Attenuation @50mHz | 5.2 | dB/100m |
| Max Attenuation @200mHz | 13.5 | dB/100m |
| Max Attenuation @400mHz | 14.4 | dB/100m |
| Max Attenuation @860mHz | 19.6 | dB/100m |
| Max Attenuation @1750MHz | 28.8 | dB/100m |
| Max Attenuation @2150MHz | 32.1 | dB/100m |
| Min Return Loss @50-460mHz | 23 | dB |
| Min Return Loss @460-860mHz | 20 | dB |
| Min Return Loss @860-2150mHz | 18 | dB |
| Nominal Impedance | 75 | Ω |
| Nominal Capacitance | 52 | pF/m |
| Nominal Velocity Ratio | 83 | % |

Fire Performance

| | |
|---------------------|------------------------|
| Flame Retardance | IEC 60332-1-2 |
| Flame Retardance | IEC 60332-3-24 (Cat C) |
| Halogen Gas Content | IEC 60754-1 |
| Gas Acidity | IEC 60754-2 |
| Smoke Emission | IEC 61034 |

Nominal Dimensions

| | | |
|--------------------------------|--------|-----------------|
| Conductor Gauge | 18 | AWG |
| Conductor Cross Sectional Area | 0.823 | mm ² |
| Conductor Stranding | 1/1.02 | mm |
| Insulation Diameter | 4.60 | mm |
| Inner Sheath Diameter | 6.85 | mm |
| Braid Armour Wire Size | 0.20 | mm |
| Outer Sheath Diameter | 10.45 | mm |

Colours & Identification

Insulation Colour
Natural/White

Inner Sheath Colour
Black

Outer Sheath Colour
Black

