

## RG213 Coaxial Cable for Marine Applications

50Ω RG213 Coaxial Design • Steel Wire Braid Protected • Low Smoke Zero Halogen



### Cable Construction



**Conductor**  
7/0.75mm Stranded Plain Annealed Copper

**Insulation**  
Extruded SPE (Solid Polyethylene)

**Plain Annealed Copper Wire Braid Screen**  
(≥80% 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

|                                 |      |        |
|---------------------------------|------|--------|
| Voltage Rating                  | 300  | V      |
| Max Conductor Resistance @20°C  | 0.67 | Ω/100m |
| Nominal Capacitance             | 100  | pF/m   |
| Nominal Impedance               | 50   | Ω      |
| Min Insulation Resistance @20°C | 200  | MΩ/km  |
| Nominal Attenuation @50mHz      | 5.5  | dB     |
| Nominal Attenuation @200mHz     | 11.6 | dB     |
| Nominal Attenuation @1000mHz    | 30.0 | dB     |

#### 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 Stranding    | 7/0.75 | mm |
| Insulation Diameter    | 7.25   | mm |
| Inner Sheath Diameter  | 10.30  | mm |
| Braid Armour Wire Size | 0.20   | mm |
| Outer Sheath Diameter  | 14.15  | mm |

### Colours & Identification

**Insulation Colour**  
Natural/Transparent

**Inner Sheath Colour**  
Black

**Outer Sheath Colour**  
Black

