



## Coaxial Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

### RG6 Armoured Coaxial Cable

#### Applications

These 75Ω coaxial cables are suitable for installation on board of ships and other indoor marine environments.

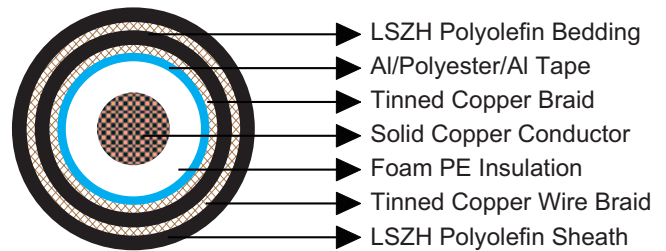


#### Standards

- IEC 60092-350
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004

#### Construction

- **Conductors:** 18AWG solid bare copper.
- **Insulation:** Foam PE.
- **Shielding1:** Al/Polyester/Al tape.
- **Shielding2:** Tinned copper braid.
- **Bedding:** Low smoke and halogen-free polyolefin, coloured black.
- **Armour:** Tinned copper wire braid.
- **Outer Sheath:** Low smoke and halogen-free polyolefin.



#### Electrical Characteristics

AWG		18
Nominal Conductor Diameter	mm	1.0
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	6.9
Nominal Attenuation@200MHz	dB/100m	9.0
Nominal Attenuation@300MHz	dB/100m	11.8
Nominal Attenuation@400MHz	dB/100m	13.1
Nominal Attenuation@500MHz	dB/100m	15.4
Nominal Attenuation@900MHz	dB/100m	21.5



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Nominal Attenuation@1700MHz	dB/100m	29.4
Capacitance	pF/m	53.5
Velocity of Propagation	%	83
Conductor DCR	$\Omega$ /km	21.4
Shield DCR	$\Omega$ /km	7.5
Inductance	$\mu$ H/m	0.32
Time Delay	ns/m	4

### Mechanical and Thermal Properties

- Bending Radius: 15×OD
- Temperature Range: -30°C ~ +75°C

### Dimensions and Weight

Nominal Inner Conductor Diameter mm	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1.0	1.8	1.2	11.2	208

