



## Coaxial Cables

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

### RG59 Armoured Coaxial Cable

#### Applications

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

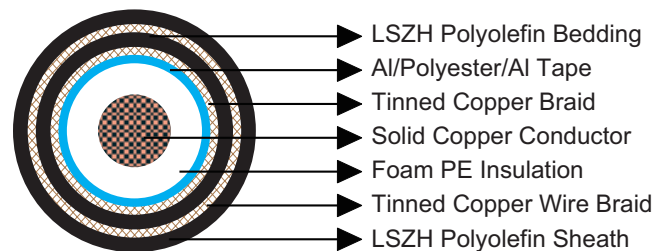


#### Standards

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

#### Construction

- **Conductors:** 20AWG 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		20
Nominal Conductor Diameter	mm	0.8
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	7.6
Nominal Attenuation@270MHz	dB/100m	12.5
Nominal Attenuation@540MHz	dB/100m	17.9
Nominal Attenuation@720MHz	dB/100m	20.9
Nominal Attenuation@750MHz	dB/100m	21.3
Nominal Attenuation@1000MHz	dB/100m	24.9





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Capacitance	pF/m	53.5
Velocity of Propagation	%	83
Conductor DCR	$\Omega$ /km	32.8
Shield DCR	$\Omega$ /km	12.5
Inductance	$\mu$ H/m	0.318
Time Delay	ns/m	4.0

### Mechanical and Thermal Properties

- Bending Radius: 15 $\times$ OD
- Temperature Range: -30 $^{\circ}$ C ~ +75 $^{\circ}$ 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
0.8	1.4	1.2	10.0	177

