



## Coaxial Cables

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

### RG58 Armoured Coaxial Cable

#### Applications

These 50Ω coaxial cables are suitable for installation on board of ships and other indoor marine environments.

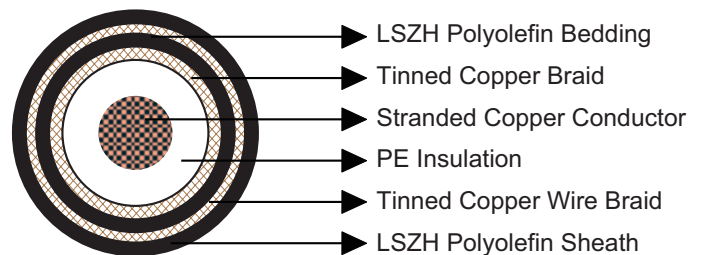


#### Standards

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

#### Construction

- **Conductors:** 21AWG tinned copper.
- **Insulation:** PE.
- **Shielding:** 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		21
Conductor Construction No./Diameter of Wires	-/mm	19/0.18
Nominal Conductor Diameter	mm	0.89
Impedance	Ω	50+/-3
Nominal Attenuation@100MHz	dB/100m	15.7
Nominal Attenuation@200MHz	dB/100m	22.3
Nominal Attenuation@400MHz	dB/100m	32.8
Nominal Attenuation@700MHz	dB/100m	46.6
Nominal Attenuation@900MHz	dB/100m	54.1
Nominal Attenuation@1000MHz	dB/100m	56.1





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Capacitance	pF/m	101
Velocity of Propagation	%	66
Conductor DCR	$\Omega$ /km	35.4
Inductance	$\mu$ H/m	0.246
Time Delay	ns/m	5.0

### 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
0.89	1.0	1.14	8.6	149

