



Coaxial Cables

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RG11 Armoured Coaxial Cable

Applications

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

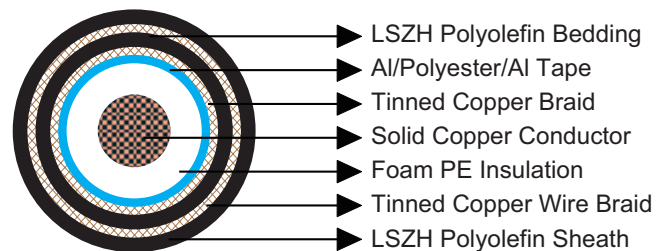


Standards

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

Construction

- **Conductors:** 14AWG 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		14
Nominal Conductor Diameter	mm	1.6
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	4.5
Nominal Attenuation@270MHz	dB/100m	7.6
Nominal Attenuation@540MHz	dB/100m	10.8
Nominal Attenuation@750MHz	dB/100m	12.8
Nominal Attenuation@1000MHz	dB/100m	14.8
Capacitance	pF/m	53.5





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Velocity of Propagation	%	83
Conductor DCR	Ω/km	8.5
Shield DCR	Ω/km	12.1
Inductance	$\mu\text{H}/\text{m}$	0.32
Time Delay	ns/m	4

Mechanical and Thermal Properties

- Bending Radius: $15 \times \text{OD}$
- Temperature Range: $-30^\circ\text{C} \sim +75^\circ\text{C}$

Dimensions and Weight

Nominal Inner Conductor Diameter mm	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1.6	2.7	1.7	15.0	353

