



Coaxial Cables

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RG213 Armoured Coaxial Cable

Applications

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

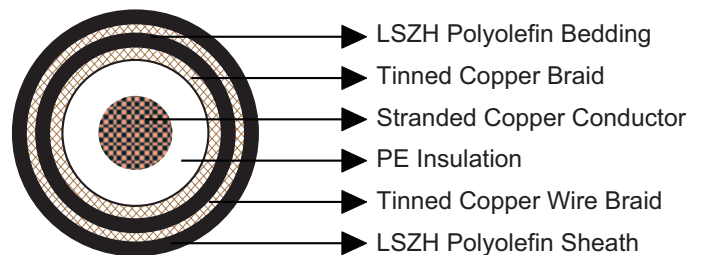


Standards

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

Construction

- **Conductors:** 13AWG bare copper.
- **Insulation:** PE.
- **Shielding:** 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		13
Conductor Construction No./Diameter of Wires	-/mm	7/0.75
Nominal Conductor Diameter	mm	2.24
Impedance	Ω	50+/-3
Nominal Attenuation@100MHz	dB/100m	7.5
Nominal Attenuation@200MHz	dB/100m	10.5
Nominal Attenuation@400MHz	dB/100m	15.1
Nominal Attenuation@1000MHz	dB/100m	29.5
Capacitance	pF/m	101
Velocity of Propagation	%	66





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Conductor DCR	Ω/km	5.7
Shield DCR	Ω/km	3.9
Inductance	$\mu\text{H}/\text{m}$	0.246
Time Delay	ns/m	5.0

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
2.24	2.2	1.14	13.9	379

