

RG59 Coaxial Cable LSZH-SHF 1

Application: Shipboard installations, Maritime Environment, Fixed installations, Indoor & outdoor use, fixed installations, High data rates, Ships, High speed & Light craft.

Outer Jacket: LSZH

Outer Diameter: 6.15 ± 0.20 mm

Weight: 50 kg/km

Standards: IEC 60096-0-1, IEC 60332-1, IEC 60332-3-22 , IEC 60754-1/2, IEC 61034-1/2, UL 1581



Design & Construction

Conductor: Bare copper

Conductor Size: 0.81 ± 0.025 mm

Insulation: Foam Polyethylene

Insulation OD: 3.71 ± 0.15 mm

Foil shield: AL/PET/AL foil, bonded

Braid: Tinned copper wire

Braid Coverage: ≥80%

Outer jacket: LSZH SHF1

Outer Jacket OD: 6.15 ± 0.20 mm

Outer Jacket Color: Grey (optional)

Environmental properties and Fire Performances

Temperature Range: -30°C~70°C

Halogen acid gas, Degree of acidity of gases: IEC 60754-1/2

Jacket, Insulation material: IEC 60092-360

Smoke Emission: IEC 61034-1/2

Flame Retardant: IEC 60332-3-22

UV-resistant: UL 1581

Electrical characteristics

Inner Conductor DC resistance: ≤35.7 Ω/km

Outer Conductor DC resistance: ≤11.0 Ω/km

Capacity: 51 ± 5 pF/m

Characteristic Impedance200MHz: 75 ± 3 Ω

Electrical Properties

Maximum attenuation is 3% higher Nominal attenuation											
Frequency (MHz):	5	55	211	300	500	600	870	1000	1450	1750	2050
Attenuation dB/100 m (Nom.):	3.0	6.95	13.1	14.8	19.0	20.8	25.2	27.1	33.1	36.6	39.9
Return Loss											
Frequency (MHz)	5~470			470~1000				1000~2050			
Return Loss (dB)	≥20			≥18				≥15			

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