

RG6 Coaxial Cable LSZH-SHF1

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: 7.0 ± 0.20 mm

Weight: 63 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: Copper clad steel (21%)

Conductor Size: 1.02 ± 0.025 mm

Insulation: Foam Polyethylene

Insulation OD: 4.60 ± 0.15 mm

Foil shield: AL/PET/AL foil, bonded

Braid: Tinned copper wire

Braid Coverage: ≥ 80%

Outer jacket: LSZH SHF1

Outer Jacket OD: 7.0 ± 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: ≤ 102 Ω/km

Outer Conductor DC resistance: ≤ 9.0 Ω/km

Capacity: 52 ± 5 pF/m

Characteristic Impedance 200MHz: 75 ± 3 Ω

Electrical Properties

Maximum attenuation is 3% higher Nominal attenuation														
Frequency (MHz):	5	55	211	300	500	600	870	1000	1300	1450	1700	2000	2250	3000
Attenuation dB/100 m (Nom.):	1.95	5.25	10.0	11.64	15.29	16.73	20.04	22.0	25.0	26.8	29.5	32.0	34.4	40.4
Return Loss														
Frequency (MHz)	30~1000						1000~3000							
Return Loss (dB)	≥ 20						≥ 15							

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