

Feeder Cable 1/2" 50 Ω LSZH

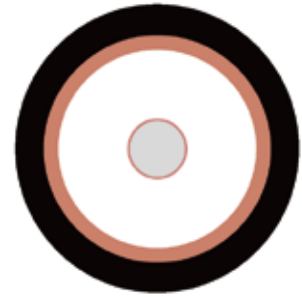
Application: Shipboard installations, Maritime Environment, Fixed installations, High data rates. Indoor & outdoor use, Ships, High speed & Light craft.
LSZH-SHF2

Outer Jacket: 17 ± 0.20 mm

Outer Diameter: 265 kg/km

Weight: IEC 60096-0-1, IEC 61196-1-100, IEC 60332-1, IEC 60332-3-22, IEC 60754-1/2, IEC 61034-1/2, UL 1581, IEC 60092-360

Standards:



Design & Construction

Conductor: Copper coated Al wire

Conductor Size: 4.8 ± 0.05mm

Insulation: Cellular PE

Insulation OD: 12.1 ± 0.35mm

Screen: Corrugated Cu-tube

Outer jacket: SHF2

Outer Jacket OD: 17.0 ± 0.20 mm

Outer Jacket Color: Black (optional)

COAXIAL CABLE

Environmental properties and Fire Performances

Temperature Range: -40°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

Conductor resistance: ≤ 1.6 Ω /km

Screen resistance: ≤ 2.4 Ω /km

Inductance: 0.19 [μH/m]

Peak RF voltage: 1.8 KV

Peak power rating: 32 KW

Insulation resistance: 10G Ω/km

Capacity: 76 pF/m

Impedance: 50 ± 2 Ω

Velocity factor: 88%

Min. bending radius: 60 mm

Electrical Properties

Frequency [MHz]	Nominal attenuation [dB/100m] max.105%	Power rating [kW]
30	1.66	6.9
50	2.01	5.3
88	2.51	4.0
100	2.65	3.7
200	3.58	2.6
300	4.31	2.1
400	4.93	1.8
450	5.1	1.7
500	5.49	1.6
700	6.48	1.3
800	7.10	1.3
900	7.30	1.25
1000	7.78	1.1
1400	9.24	0.9
1800	10.90	0.78
2000	11.50	0.76
2400	12.90	0.66
3000	14.50	0.58
3400	15.50	0.54
6000	21.5	0.39
8000	27.0	0.31

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