

Feeder Cable 7/8" 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: 30 ± 0.20 mm

Outer Diameter: 470 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: Cu-tube

Conductor Size: 9.45 ± 0.1 mm

Insulation: Cellular PE

Insulation OD: 23.2 ± 0.35 mm

Screen: Corrugated Cu-tube

Outer jacket: SHF2

Outer Jacket OD: 30.0 ± 0.20 mm

Outer Jacket Color: Black (optional)

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: ≤ 1.3 Ω/km

Screen resistance ≤ 1.28 Ω/km

Peak RF voltage 3.3 KV

Peak power rating 92 KW

Insulation resistance 10 GΩ/km

Capacity: 74.2 pF/m

Impedance 50 ± 2 Ω

Frequency Max 5000 MHZ

Velocity factor 88%

Min. bending radius 150 mm

Recommended clamping space 1 m

Electrical Properties

Frequency [MHz]	Nominal attenuation [dB/100m] max.105%	Power rating [kW]
50	0.70	11.0
88	1.00	8.5
100	1.12	8.0
200	1.50	5.6
300	1.90	4.5
450	2.40	3.6
500	2.50	3.4
700	2.95	2.8
800	3.00	2.6
900	3.40	2.5
1000	3.70	2.3
1400	4.45	1.9
1800	5.09	1.7
2000	5.20	1.6
2400	5.90	1.4
3000	6.90	1.2
3400	7.93	1.2
4000	8.50	1.0
5000	9.26	0.9

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