

## RG11 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:** 10.3 ± 0.20 mm

**Weight:** 120 kg/km

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



COAXIAL CABLE

### Design & Construction

**Conductor:** Bare copper

**Conductor Size:** 1.63 ± 0.025 mm

**Insulation:** Foam Polyethylene

**Insulation OD:** 7.25 ± 0.15 mm

**Foil shield:** AL/PET/AL foil, Bonded

**Braid:** Tinned copper wire

**Braid Coverage:** ≥80%

**Outer jacket:** LSZH SHF1

**Outer Jacket OD:** 10.30 ± 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:** ≤9.0 Ω/km

**Outer Conductor DC resistance:** ≤9.0 Ω/km

**Capacity:** 52 ± 5 pF/m

**Characteristic Impedance200MHz:** 75 ± 3 Ω

### Electrical Properties

| Maximum attenuation is 3% higher Nominal attenuation |         |      |      |      |      |      |           |       |       |       |      |       |       |       |      |      |
|--|---------|------|------|------|------|------|-----------|-------|-------|-------|------|-------|-------|-------|------|------|
| Frequency (MHz):                                     | 5       | 55   | 211  | 270  | 350  | 400  | 500       | 600   | 750   | 870   | 1000 | 1450  | 1750  | 2050  | 2250 | 3000 |
| Attenuation dB/100 m (Nom.):                         | 1.4     | 3.36 | 6.90 | 7.50 | 8.50 | 9.10 | 10.20     | 11.20 | 12.70 | 13.51 | 15.0 | 18.50 | 20.50 | 22.50 | 24.0 | 28.0 |
| Return Loss  |         |      |      |      |      |      |           |       |       |       |      |       |       |       |      |      |
| Frequency (MHz)                                      | 30~1000 |      |      |      |      |      | 1000~3000 |       |       |       |      |       |       |       |      |      |
| Return Loss (dB)                                     | ≥20     |      |      |      |      |      | ≥15       |       |       |       |      |       |       |       |      |      |

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