

RG11 Armor

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

Operate at: -40°C to +70°C, Bend minimum: 10~20 times O.D.

Standards: IEC 60096-0-1, IEC 60096-1, IEC 60684-2, IEC 60332-3-22, IEC 60092-360, UL 1581

Design & Construction

Conductor: Bare copper

Insulation: PE

Inner shield: Aluminum Foil-Polyester Tape

Outer shield: Tinned copper wire braid

Inner jacket (optional): LSZH-SHF1, LSZH-SHF2 or LSZH-SHF2-MUD

Armor: GSWB or TCWB

Outer jacket (optional): LSZH-SHF1, LSZH-SHF2 or LSZH-SHF2-MUD

Outer jacket OD: 13.0 ± 1.0 mm

Marking (example): YANGER® RG11 GSWB LSZH <dd/mm/yy> <meter marking>

Outer jacket color: Black (optional)

Environmental properties and fire performances

Halogen acid gas: IEC 60754-1/2

Degree of acidity of gases: IEC 60754-1/2

Smoke emission: IEC 61034-1/2

Flame retardant: IEC 60332-3-22

UV-resistant: UL 1581

Electrical characteristics

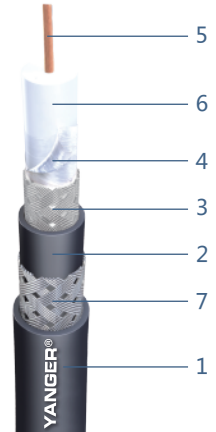
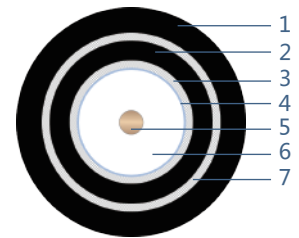
Inner conductor DC resistance: ≤21.2 Ω/km

Outer conductor DC resistance: ≤4.2 Ω/km

Capacity: 67 ± 5 pF/m

Characteristic impedance 200MHz: 75 ± 3 Ω

Electrical properties



1. Outer jacket
2. Inner jacket
3. Outer shield
4. Inner shield
5. Conductor
6. Insulation
7. Armor



Halogen free
IEC 60754



Low smoke
IEC 61034



Flame retardant
IEC 60332-3-22



UV resistant
UL 1581

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