

RG58 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 or tinned copper, stranded

Insulation: PE

Outer shield: Tinned copper wire braid

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

A armor: GSWB or TCWB

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

Outer jacket OD: 7.5 ± 0.5 mm

Marking (example): YANGER® RG58 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

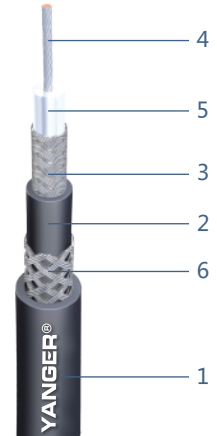
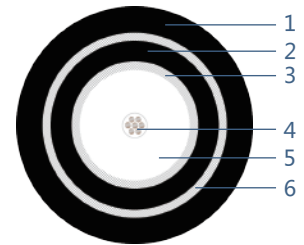
Inner conductor DC resistance: ≤ 36.5 Ω/km

Outer conductor DC resistance: ≤ 14 Ω/km

Capacity: 100 ± 5 pF/m

Characteristic impedance 200MHz: 50 ± 2 Ω

Electrical properties



1. Outer jacket
2. Inner jacket
3. Outer shield
4. Conductor
5. Insulation
6. 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	10	50	100	200	300	500	800	1000	1500	2150	2750	3000
Attenuation dB/100 m (Nom.):	3.0	4.0	9.4	13.0	18.6	23.3	31.2	41	48.8	60.6	76.7	86.5	89.5