

RG6

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: Alt1. Copper clad steel
Alt2. Bare copper

Insulation: PE

Inner shield: Aluminum Foil-Polyester Tape

Outer shield: Tinned copper wire braid

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

Outer jacket OD: 6.8 ± 0.50 mm

Marking (example): YANGER® RG6 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: $\leq 154 \Omega/\text{km}$

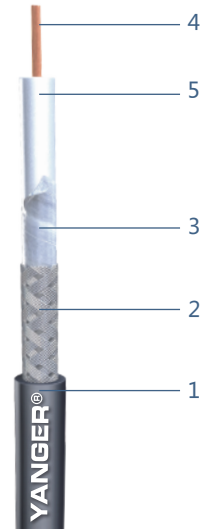
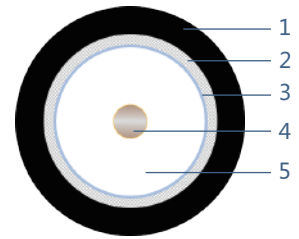
Outer conductor DC resistance: $\leq 9.0 \Omega/\text{km}$

Capacity: $67 \pm 5 \text{ pF/m}$

Characteristic impedance 200MHz: $75 \pm 3 \Omega$

Electrical properties

Maximum attenuation is 3% higher nominal attenuation														
Frequency (MHz):	5	55	211	300	500	600	870	1000	1300	1450	1700	2000	2250	3000
Attenuation dB/100 m (Nom.):	1.95	5.25	10.0	11.64	15.29	16.73	20.04	22.0	25.0	26.8	29.5	32.0	34.4	40.4



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



Halogen free
IEC 60754



Low smoke
IEC 61034



Flame retardant
IEC 60332-3-22



UV resistant
UL 1581