

1/2" Feeder cable

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

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

Design & Construction

Conductor: Copper clad aluminum
Conductor size: $4.8 \pm 0.05\text{mm}$
Insulation: PE
Insulation OD: $12.1 \pm 0.35\text{mm}$
Screen: Corrugated copper tube
Outer jacket: PE or LSZH
Outer jacket OD: $15.6 \pm 1.0\text{mm}$
Outer jacket color: Black (optional)

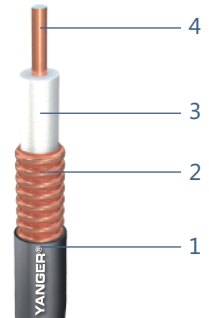
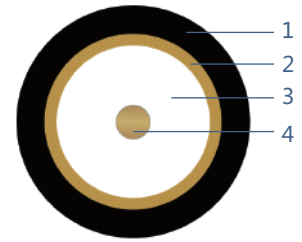
Electrical characteristics

Conductor resistance: $\leq 1.6\ \Omega/\text{km}$
Screen resistance: $\leq 2.6\ \Omega/\text{km}$
Inductance: $0.19\ [\mu\text{H}/\text{m}]$
Peak RF voltage: 1.8 KV
Peak power rating: 32 KW
Insulation resistance: $10\text{G}\ \Omega/\text{km}$
Capacity: $76\ \text{pF}/\text{m}$
Impedance: $50 \pm 2\ \Omega$
Velocity factor: 88%
Min. bending radius: 60 mm

Environmental properties and fire performances

Temperature range: $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$
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 properties



1. Outer jacket
2. Screen
3. Insulation
4. Conductor



Halogen free
IEC 60754



Low smoke
IEC 61034



Flame retardant
IEC 60332-3-22



UV resistant
UL 1581

Frequency [MHz]	Nominal attenuation [dB/100m] max.105%	Power rating [kW]
30	1.66	6.9
50	2.01	5.3
88	2.51	4.0
100	2.65	3.7
200	3.58	2.6
300	4.31	2.1
400	4.93	1.8
450	5.1	1.7
500	5.49	1.6
700	6.48	1.3
800	7.10	1.3
900	7.30	1.25
1000	7.78	1.1
1400	9.24	0.9
1800	10.90	0.78
2000	11.50	0.76
2400	12.90	0.66
3000	14.50	0.58
3400	15.50	0.54
6000	21.5	0.39
8000	27.0	0.31