

RS485/422

Application: Shipboard installations, Maritime Environment, Fixed or portable installations, fixed installations, Industrial communication high data rates, Ships, High speed & Light craft. RS422 RS485.

Operate at: -40°C to +75°C, Bend minimum: 10~20 times O.D.

Standards: IEC 61158-2, IEC 60332-3-22, IEC 60754-1/2, IEC 61034-1/2, IEC 60092-360, UL 1581

Design & Construction

Conductor: Bare or tinned copper, 1 pair, 2 pairs, 4 pairs

Conductor size: 0.5mm², 0.75mm², 1.0mm², 1.5mm² (optional)

Insulation: PE

Fire resistant layer: Mica tape (optional)

Inner shield: Aluminum foil

Outer shield: Tinned copper wire braid

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

Marking (example): YANGER® RS485 2*2*0.75 S/FTP LSZH-SHF1
IEC 60332-3-22 <batch no.> <meter marking>

Outer jacket color: Purple (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

Impedance: 120 ± 10 Ω

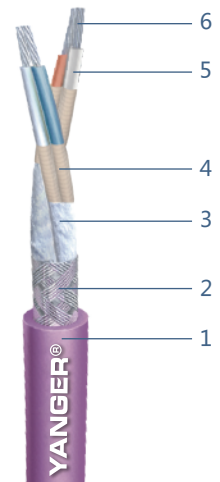
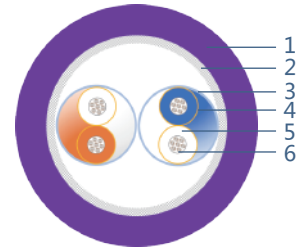
DC resistance: 55.0 Ω/Km max. @ 20°C

Capacitance: 35.0 PF/m

Voltage rating: 300 V

Electrical properties

Frequency (MHz):	1	10	100	200	500	1000
Pairs:	1 pair	1 pair	2 pairs, 4 pairs			
Attenuation dB/100m (Nom.):	1.7	5.0	0.55	0.80	1.2	1.8



1. Outer jacket
2. Outer shield
3. Inner shield
4. Fire resistant layer
5. Insulation
6. Conductor



Halogen free
IEC 60754



Low smoke
IEC 61034



Flame retardant
IEC 60332-3-22



Fire resistant
IEC 60331-2