

Profibus PA

Application: Shipboard and offshore installations, Maritime Environment, fixed installations, High data rates, Ships, High speed & Light craft. Profibus PA industrial communication, ISA/SP-50 Fieldbus*Type A.

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

Conductor size: 18 AWG

Insulation: PE

Inner shield: Aluminum foil

Outer shield: Tinned copper wire braid

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

Marking (example): YANGER® Profibus PA 1*2*18 AWG SF/UTP LSZH-SHF1
IEC 60332-3-22 <batch no.> <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

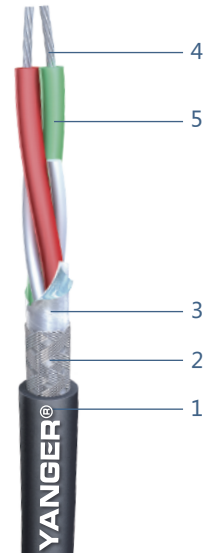
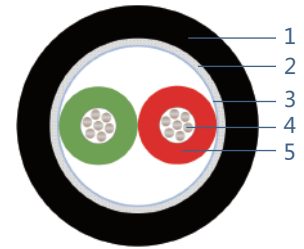
Electrical characteristics

Impedance: $100 \pm 10 \Omega$

Attenuation: $\leq 0.3 \text{ dB}/100 \text{ m} @ 39 \text{ kHz}$

Capacitance: 48.0 PF/m

Voltage rating: 300 V



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