

ProfiBus PA LSZH-SHF1

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| 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, Harsh Environments. UV resistant. |
| Outer Jacket : | LSZH |
| Outer Diameter: | 9.4 ± 0.20 mm |
| Weight: | 120 kg/km |
| Standards: | IEC 61158-2, IEC 60092-360 IEC 60332-3, IEC 60754-1/2, IEC 61034-1/2 |
| Bending Radius | 8D |



Design & Construction

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| Conductor: | Stranded tinned Copper AWG 18/7 (0.8 mm ²) |
| Conductor Size: | 1.05 mm/7 x 0.4 mm |
| Insulation: | Foam Polyethylene |
| Insulation OD: | 3.20 ± 0.15 mm |
| Conductor Color Code: | Green & Red |
| Foil shield: | Aluminum/Polyester Foil |
| Braid: | Tinned copper wire |
| Braid Coverage: | ≥80% |
| Outer jacket: | LSZH SHF1 |
| Jacket Thickness: | 1.3 mm (Nom) |
| Outer Jacket OD: | 9.4 ± 0.20 mm |
| Outer Jacket Color: | Black (optional) |

Environmental properties and Fire Performances

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| Halogen acid gas, Degree of acidity of gases: | IEC 60754-1/2 |
| Jacket, Insulation material: | IEC 60092-360 |
| Smoke Emission: | IEC 61034-1/2 |
| Flame retardant: | IEC 60332-3-22 |
| UV Resistance: | UL 1581 |

Electrical characteristics

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| Impedance: | 100 Ω |
| Conductor Resistance: | ≤23 Ω/km |
| Attenuation: | ≤0.3 dB/100 m @ 39 kHz |
| Capacitance: | 48.0 PF/m |
| UV Resistance: | Yes |
| Voltage Rating: | 300 V |
| Operating Temperature: | -35°C~80°C |
| Insulation resistance: | ≥1 GΩ/km |