

Foundation Fieldbus 18awg 2pair ICAT Type A IEC61158-2 LSZH FireFighter®

Cable Design *2x2x18awg/7*

| | |
|----------------------|--|
| Wire | Stranded tinned copper wire conductor (18awg) Ø 1,20mm |
| Insulation | Insulation of Polypropylene (PP) Ø 2,85 mm |
| Shielded pair | 2 wires twisted to a pair |
| Drain Wire | Stranded tinned copper (18AWG) |
| Screen | Alulaminare foil overlapped |
| Core | 2 shielded pairs OG/1-BU/1 and OG/2-BU/2 |
| Drain Wire | Stranded tinned copper (18AWG) |
| Screen | Alulaminare foil overlapped |
| Outer Jacket | LSZH FireFighter® Halogen free Flame retardant |
| Colour | Orange |
| Diameter | Ø 9.8 ±0.4 mm |



Standards

| | |
|--------------------|---|
| Flame Retardant | acc. to IEC 60332-1-2 |
| Flame Retardant | IEC 60332-3 flame resistance for bunched cables |
| Halogen Free | IEC 60754 series |
| Smoke Emission | IEC 61034 series |
| Oil resistant | acc. to IEC60811-404 (4 hours @ 70°C) |
| Sunlight Resistant | |

Specification

| Part Number | Colour |
|-------------|--------|
| 4602P1834 | Orange |

Electrical Data @ 20° C

| | | | |
|--|------|--------|---------|
| Conductor resistance | ≤ | 22 | Ohm/km |
| Insulation resistance | ≥ | 5 | GOhm*km |
| Operating voltage (peak) | ≤ | 300 | V |
| Attenuation (0.039 MHz) | nom. | 3.4 | dB/100m |
| Capacitance (1 kHz wire/wire) | nom. | 65 | nF/km |
| Capacitance (1 kHz wire/screen) | nom. | 125 | nF/km |
| Characteristic impedance at 31.25 kHz | | 100±20 | Ohm |
| Test voltage (wire/wire rms 50Hz 1min) | | 1500 | V |
| Test voltage (wire/screen rms 50Hz 1min) | | 1000 | V |

Thermal & Mechanical Characteristics

| | | |
|-------------------------------|---------------------------------------|--------------------------------------|
| Permissible temperature range | Transport, installation and operating | -40 °C (-40 °F) up to 90 °C (194 °F) |
| Min. bending radius allowed | | repeated 10 x Ø, single 5 x Ø |
| Weight about | | 131 kg/km |