

DataGuard® (GSWB)

Foundation Fieldbus Eco Style Single Pair

IEC 61158-2 (LSZH)



Cable Design

Wire

Conductor	Stranded tinned copper wire (18awg)	Ø 1,20 mm
Insulation	PP (PolyPropylene)	Ø 2,20 mm

Core

Pair	2 wires twisted to a pair (BU-OG)
Tape	Polyester tape overlapped
Drain Wire	Stranded tinned copper wire
Screen	Aluminium/polyester tape overlapped, 100% coverage

Inner Jacket	LSZH (Low Smoke Zero Halogen)	Ø 6,70 ± 0,20 mm
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Armour	DataGuard® Galvanised Steel Wire Braid (GSWB)
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Outer Jacket	LSZH FireFighter®	Ø 10,50 ± 0,40 mm
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Characteristics

- acc. IEC 61158-2 Type A
- Onshore / Offshore applications
- Mechanical protection
- Flexible Installation
- Rodent Protection
- UV-Stable and colourfast
- Flame retardant acc. to IEC 60332-3-24
- Halogen Free acc. to IEC 60754-1/2
- Smoke density acc. to IEC 61034-1/2

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Electrical Data @ 20°C

Conductor resistance	nom.	19,33	Ohm/km
Screen resistance	nom.	37,60	Ohm/km
Capacitance (conductor/conductor)	nom.	79,2	pF/m
Capacitance (conductor/screen)	nom.	148,5	pF/m
Impedance	nom.	100	Ohm
Attenuation	0,50 MHz	2,1	dB/100m
Attenuation	1,00 MHz	3,2	dB/100m

Specification

Part Number	Type
244101 P18104-01	Black Foundation Fieldbus cable Eco Style ISA/SP50 Type A IEC 61158-2, 2x18AWG7, DataGuard® (GSWB) LSZH FireFighter®
244101 P18104-02	Blue Foundation Fieldbus cable Eco Style ISA/SP50 Type A IEC 61158-2 for installation in hazardous Ex-areas, 2x18AWG7, DataGuard® (GSWB) LSZH FireFighter®
244101 P18104-05	Grey Foundation Fieldbus cable Eco Style ISA/SP50 Type A IEC 61158-2, 2x18AWG7, DataGuard® (GSWB) LSZH FireFighter®
244101 P18104-08	Orange Foundation Fieldbus cable Eco Style ISA/SP50 Type A IEC 61158-2, 2x18AWG7, DataGuard® (GSWB) LSZH FireFighter®

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