

Foundation Fieldbus

Eco Style Single Pair IEC61158-2 (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 7/0,30mm
Screen	Aluminium/polyester tape overlapped, 100% coverage

Outer Jacket	LSZH (Low Smoke Zero Halogen)	Ø 6,80 mm ± 10%
---------------------	-------------------------------	-----------------



Characteristics

- acc. IEC 61158-2 Type A
- Flame retardant acc. to IEC 60332-2-1,
- Halogen free acc. to IEC 60754,
- Smoke density acc. to IEC 61034,

Specification

Part Number	Type
4101P18104-08	Orange Foundation Fieldbus cable Eco Style ISA/SP50 Type A, 2x18AWG7 (LSZH)
4101P18104-02	Blue Foundation Fieldbus cable Eco Style ISA/SP50 Type A for installation in hazardous Ex-areas, 2x18AWG7 (LSZH)



Foundation Fieldbus

Eco Style Single Pair IEC61158-2 (LSZH)

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

Mechanical & Thermal Characteristics

Insulation Elongation		min.	300	%
Insulation Strength		min.	1000	N/cm ²
Outer Jacket Elongation		min.	300	%
Outer Jacket Strength		min.	650	N/cm ²
Temperature (moving installation)			-15 to +70	°C
Temperature (fixed installation)			-40 to +70	°C

Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.