

IEC61158-2 Type A Fieldbus Cable

2x2x16/19AWG ICAT Armoured (GSWB) LSZH



Cable Design

Wire		
Conductor	Stranded tinned copper wire (16/19 AWG)	Ø 1,50 mm
Insulation	Polypropylene (PP)	Ø 3,70 mm
Shielded Pair		
Pair	2 wires twisted to a pair	
Drain Wire	Stranded tinned copper drain wire (20AWG)	
Screen	Alulaminare foil overlapped	
Core		
Centre	2 shielded pairs OG/1-BU/1 and OG/2-BU/2 + Filler	
Drain Wire	Stranded tinned copper drain wire (18 AWG)	
Screen	Alulaminare foil overlapped	
Inner Jacket	Low Smoke Zero Halogen FireFighter®	Ø 11,5 ± 0,4 mm
Armour	Galvanised Steel Wire Braid (GSWB)	Ø 12,70 ± 0,4 mm
Outer Jacket	Low Smoke Zero Halogen FireFighter®	Ø 15,10 ± 0,4 mm



Characteristics

- RoHS compliant (Directive 2011/65/EC)
- Low Smoke, Fire retardant, Zero Halogen
- Fire Retardant acc. to IEC 60332-3-22 (Cat.A)
- Fire Retardant acc. to IEC 60332-3-24 (Cat,C)
- Corrosivity of fumes acc. to IEC 60754-2
- Smoke-density acc. to IEC 61034
- Sunlight resistant

IEC61158-2 Type A Fieldbus Cable

2x2x16/19AWG ICAT Armoured (GSWB) LSZH

Specification

Part Number	Type
244602P1634-01	IEC61158-2 Type A Fieldbus Cable. 2x2x16/19 AWG ICAT LSZH/GSWB/LSZH. Black
244602P1634-02	IEC61158-2 Type A Fieldbus Cable. 2x2x16/19 AWG ICAT LSZH/GSWB/LSZH. Blue
244602P1634-08	IEC61158-2 Type A Fieldbus Cable. 2x2x16/19 AWG ICAT LSZH/GSWB/LSZH. Orange

Electrical Data @ 20°C

Conductor resistance	≤	15	Ohm/km
Insulation resistance	≥	5	GOhm*km
Operating voltage (peak)	≤	300	V
Attenuation (0.039 MHz)	nom.	0,25	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 1 min)		1500	V
Test voltage (wire/screen rms 50Hz 1 min)		1000	V

Thermal Characteristics

Permissible temperature range	Transport, installation and operating	-40 ~ +90	°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.