

FFBUS 105°C 1x2x18 AWG

page 1 of 1

FOUNDATION FIELDBUS CABLEOperating voltage
max 100 VTest voltage
1,5 kVTemp. range
fixed installation
- 40°C to + 105°CBending radius
12xDFlame retardant
PN-EN 60332-1-2Indoor
applicationElectromagnetic
compatibility**APPLICATIONS**

FFBUS 105°C 1x2x18 AWG cable is intended for FOUNDATION fieldbus systems.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

The cable is suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- 18 AWG flexible multiwire conductors, stranded of annealed tin-plated copper wires (7x0.4 mm),
- foam-skin polyethylene insulation - identification colour code: blue, brown,
- insulated conductors twisted into pairs,
- collective shield, incorporating an aluminium-polyester tape and a stranded annealed tinned copper drain wire under a tinned copper wire braid shield of coverage bigger than 60%,
- heat resistant PVC cable sheath, colours on request.

CHARACTERISTICS

Characteristic impedance	100 ± 20 Ω	DC loop resistance at 20°C, maximum	19.6 Ω/km
Mutual capacitance at 1 kHz, appr.	50 nF/km	Operating temperature range	from -40 to +105 °C
Inductance, approximate	0.5 mH/km	Minimum bending radius	12 x cable diameter
Attenuation loss, max - at frequency 39 kHz	3 dB/km	Cable combustibility	flame retardant
Insulation resistance, minimum	150 MΩ·km	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
Operating voltage	100 V	Reference standards	IEC 61158-2
Voltage test	1500 V rms		

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs (x 2) x conductor size	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	AWG	mm	kg/km	kg/km
0901 003	1 x 2 x 18c	7.8	40	68

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