

# FOUNDATION FIELDBUS BUS-FF



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Foundation Fieldbus cable for use in process automation, maximum transmission distance up to 1900 m.

## Construction and technical data:

<b>Standard:</b>	UL/CSA CMG/PLTC-ER
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	strand, 7-wired construction
<b>Insulation:</b>	polyolefin
<b>Stranding unit:</b>	Pair
<b>Core wrapping:</b>	PET-foil
<b>Screen:</b>	plastic coated Al-foil + copper drain wire, tinned
<b>Screen coverage:</b>	85 %
<b>Sheathing material:</b>	special PVC-compound
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-10 - +70 °C
<b>Bending radius, fixed installation:</b>	5 x Ø
<b>Bending radius, moving application:</b>	10 x Ø
<b>Impedance:</b>	100 Ohm
<b>Insulation resistance:</b>	5000 MOhm $\times$ km



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

FOUNDATION(TM) Fieldbus cables

**Loop resistance:** 43.8 Ohm/km  
**Maximum operating capacity:** 60 nF/km  
**Test voltage:** 1.5 kV  
**Core identification:** orange, blue  
**peak operating voltage, V:** 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
101621	TYP 1A 1X2XAWG 18/7 FR 100 ohm OG UL 13 & IEC 61158-2	7.3	45	73

Ø outer diameter approx.

Cu Copper weight (GER)

G net weight per 1000