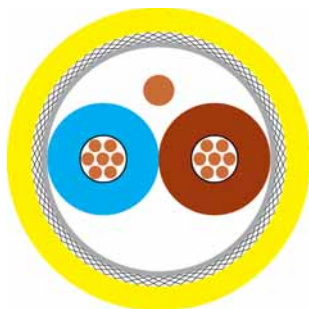


# BUS Cables

## FOUNDATION™ Fieldbus flexible Type A



PVC



### Type

#### Cable structure

Inner conductor diameter:  
Core insulation:  
Core colours:  
Stranding element:  
Separator:  
Shielding 1:  
Total shielding:  
Drain wire:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

### process automation

#### 1x2x1.1/2, 85-100 LI

Copper, bare (AWG 18/37)  
XLPE ray cross-linking  
bu, bn  
Double core  
-  
Al-Foil  
Cu braid, tinned  
yes  
PVC  
app. 7,9 mm ± 0,3 mm  
Yellow

### Electrical data

Characteristic impedance:  
Conductor resistance, max.:  
Insulation resistance, min.:  
Loop resistance:  
Mutual capacitance:  
Nominal voltage:  
Test voltage:  
Attenuation:

100 Ohm ± 20 Ohm  
24 Ohm/km  
2 GOhm x km  
48 Ohm/km max.  
65 nF/km nom.  
300 V  
1,5 kV  
39 kHz ≤ 3,4 dB/km

### Technical data

Weight:  
bending radius, repeated:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx. value:  
Copper weight:

app. 89 kg/km  
80 mm  
-40°C  
+105°C  
1,05 MJ/m  
42,00 kg/km

### Norms

Applicable standards:

Foundation Fieldbus Spec. FF-816-1.4  
Flame-retardant acc. to IEC 60332-3  
CMG 105° or CL3 FT4  
CSA FT 4

UL Style:

CSA standard:

### Application

HELUKABEL® FOUNDATION™ Fieldbus Type A for normal requirements in this industrial network. Thanks to use of stranded conductors, this cable can be moved occasionally and satisfies the usual American requirements for such networks.

### Part no.

**801193**, Foundation Fieldbus FF A

Dimensions and specifications may be changed without prior notice.