

BUS Cables

FOUNDATION™ Fieldbus flexible Type A

HELUKABEL®

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

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.