

BUS Cables

FOUNDATION™ Fieldbus flexible Type A armoured

 **HELUKABEL®**

PVC



Type

Cable structure

Inner conductor diameter 1:
Inner conductor diameter 2:
Core insulation 1:
Core insulation 2:
Core colours 1:
Core colours 2:
Stranding element 1:
Separator:
Shielding 1:
Total shielding:
Drain wire:
Armouring:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

process automation

1x2x1.1/2, 85-100 LI + 1x0,8 gnye, armoured

Copper, bare (AWG 18/41)
Copper, bare (AWG 18/37)
XLPE ray cross-linking
PVC
bu, bn
gn/ye
Double core
-
Al-Foil
Al-Foil
yes
Corrugated copper tube
PVC
app. 12,3 mm ± 0,3 mm
Yellow

Electrical data

Characteristic impedance: 100 Ohm ± 20 Ohm
Conductor resistance, max.: 24 Ohm/km
Insulation resistance, min.: 2 GOhm x km
Loop resistance: 48 Ohm/km max.
Mutual capacitance: 65 nF/km nom.
Nominal voltage: 300 V
Test voltage: 1,5 kV
Attenuation: 39 kHz ≤ 3,4 dB/km

Technical data

Weight: app. 187 kg/km
bending radius, repeated: 130 mm
Operating temperature range min.: -25°C
Operating temperature range max.: +105°C
Caloric load, approx. value: 1,65 MJ/m
Copper weight: 125,00 kg/km

Norms

Applicable standards: Foundation Fieldbus Spec. FF-816-1.4
Flame-retardant acc. to IEC 60332-3
UL Style: CMG 105°C or PLTC FT4 Sun Res
CSA standard: CSA FT 4

Application

HELUKABEL® FOUNDATION™ Type A Armoured finds use in areas with rodents such as rats, nutria etc. but also offers additional protection against all other outside mechanical influences thanks to its corrugated tape armouring. Thanks to use of stranded conductors, this cable can be moved occasionally and satisfies the usual American requirements for such networks.

Part no.

801192, Foundation Fieldbus FF A

Dimensions and specifications may be changed without prior notice.