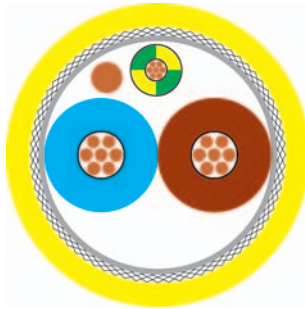


BUS Cables

FOUNDATION™ Fieldbus



Type A + gnye



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:
Shielding 1:
Shielding 2:
Total shielding:
Drain wire:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

process automation

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

Copper, bare (AWG 18/41)
Copper, bare (AWG 18/41)
XLPE ray cross-linking
PVC
bu, bn
gn/ye
Double core
-
Polyester foil, aluminium-lined
Cu braid, tinned
yes
PVC
approx. 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:

approx. 84 kg/km
80 mm
-25°C
+105°C
1,00 MJ/m
49,00 kg/km

Norms

Applicable standards:
UL Style:
CSA standard:

Foundation Fieldbus Spec. FF-816-1.4
CMG 105° or CL3 FT4
CSA FT 4

Application

The FOUNDATION™ Fieldbus is an open and neutral fieldbus standard which is primarily oriented on the requirements of process automation. It is a functionally complete fieldbus solution for areas like temperature transmitters, pressure transmitters or valve actuators. Today we distinguish between the specification H1 (31,25 kbit/s) and HSE (100Mbit/s). Branches like the petrochemical, chemical or the food- and beverage industry see the advantages and use the FOUNDATION™ fieldbus technology.

Part no.

801191, Foundation Fieldbus FF A

Dimensions and specifications may be changed without prior notice.