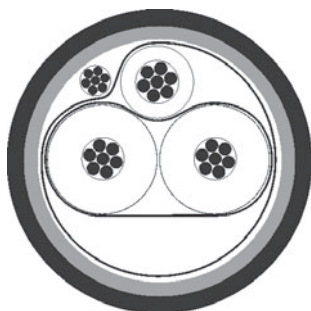




Type

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:
 Min. bending radius for laying:
 Operating temperature range min.:
 Operating temperature range max.:
 Caloric load, approx. value:
 Copper weight:

approx. 84 kg/km
 60 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.