



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
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

Copper, bare (AWG 18/41)
XLPE ray cross-linking
bu, bn
Double core
-
Polyester foil, aluminium-lined
Cu braid, tinned
yes
PVC
7,9 mm ± 0,3 mm
Yellow

Electrical data

Characteristic impedance:	100 Ohm ± 20 Ohm
Conductor resistance:	24,0 Ohm/km max.
Insulation resistance:	2,00 GOhm x km min.
Mutual capacitance:	65,0 nF/km nom.
Nominal voltage:	300 V
Test voltage:	1,5 kV
Attenuation:	39 kHz 3,4 dB/km

Technical data

Weight:	approx. 89,0 kg/km
Min. bending radius for laying:	60,0 mm
Operating temperature range min.:	-40 °C
Operating temperature range max.:	+105 °C
Caloric load, approx value:	1,05 MJ/m
Copper value:	42,0 kg/km

Norms

Applicable standards:	Foundation Fieldbus Spec. FF-816-1.4
UL Style:	CMG 105°C or PLTC FT4 Sun Res

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.

801193, Foundation Fieldbus FF A