



### 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  
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. 84,0 kg/km
Min. bending radius for laying:	60,0 mm
Operating temperature range min.:	-25 °C
Operating temperature range max.:	+105 °C
Caloric load, approx value:	1,00 MJ/m
Copper value:	49,0 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.

**801191**, Foundation Fieldbus FF A