

UNITRONIC® BUS PB FRNC FC

Article No.: 2170996

Bus cable; PROFIBUS DP; Fixed Installation; Nominal surge impedance: 150; 1x2x0,64; Fast Connect (FC) cable; PUR; Halogen-free; Flame-retardant: UL Vertical-Tray Flame Test; UV-resistant; violet; 0.315 in; cUL listed; UL listed



Details

Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Remarks

Technical Data

General information

Brand	UNITRONIC®
Product type	Bus cable

Copper index	202.24 lb/10000 ft
valid Fieldbus or Ethernet System	PROFIBUS DP

Electrical parameters

Maximum operating voltage (not for power transmission)	250 V
Test voltage conductor/conductor	1.5 kV
Test voltage conductor/shielding	1.5 kV
Loop resistance at 20°C	5 Ω/km
Nominal characteristic impedance	150 Ω

Product design

Conductor count/size	1x2x0,64
Nominal cross section conductor (mm ²)	0.32 mm ²
Nominal cross section conductor (AWG)	22 AWG
Nominal diameter conductor (mm)	0.025 in
Wire count	7
Conductor material	Bare Copper
Including protective ground	No
Number of cores	2
Number of pairs	1
Stranding type	Twisted-pair
Shielded	Yes
Type of overall shielding	Aluminum-laminated plastic foil Tin-plated copper braiding
Wrapping over shielding	Foil
With armoring	No
With rodent protection	No
Nominal outer diameter	0.315 in
Cable form	Round
Core insulation base material	Polyethylene
Conductor insulation basic material, short form	PE

Basic material of inner jacket	Halogen-free compound
Basic material of outer jacket	Polyurethane
Base material of outer sheath, shortname	PUR
Outer jacket color	violet
Colour outer sheath RAL code	RAL 4001
Core identification	Colors

Product features

Application area	Fixed Installation
Windable	No
Minimum bending radius, stationary	8 x outer diameter
Minimum bending radius in inch, fixed installation	2.52 in
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally moved	4.724 in
Temperature, fixed installation	-30 °C to 80 °C max. conductor temperature
Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature
Flame-retardant	Yes
Flame retardance according to	UL Vertical-Tray Flame Test
UV-resistant	Yes
UV-resistant according to	EN ISO 4892-2, method A (color change permitted)
Halogenfree	Yes
Halogen-free according to	VDE 0472-815
Oil resistant	Yes
Fast Connect (FC) cable	Yes

Certifications and standards

CE marking	No
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20

UL recognized	No
UL listed	Yes
UL certification	UL CM according to UL 444
cUR recognized	No
cUL listed	Yes
CSA certified	No
VDE certified	No
TÜV certified	No

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Article No.	Name	Conductor count/size	Flame retardance according to	UL certification	Nominal outer diameter	Copper index
2170996	UNITRONIC® BUS PB FRNC FC	1x2x0,64	UL Vertical-Tray Flame Test	UL CM according to UL 444	0.315 in	202.24 lb/10000 ft

V1.1