

UNITRONIC® BUS PA FC (BK) 1X2X1.0**Article No.:** 2170335

Bus cable; PROFIBUS PA; Fixed Installation; Nominal characteristic impedance: 100; PVC; black

**PROFIBUS****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.

SIMATIC® is a registered trademark of SIEMENS AG.

Remarks**Technical Data****General information**

Brand	UNITRONIC®
Product type	Bus cable

Copper index	305.7 lb/10000 ft
valid Fieldbus or Ethernet System	PROFIBUS PA

Electrical parameters

Maximum operating voltage (not for power transmission)	250 V
Test voltage conductor/conductor	1.5 kV
Nominal characteristic impedance	100 Ω

Product design

Conductor count/size	1X2X1.0
Nominal cross section conductor (mm ²)	0.8 mm ²
Nominal diameter conductor (mm)	0.041 in
Wire count	1
Conductor material	Bare Copper
Including protective ground	No
Number of cores	2
Number of pairs	1
Stranding type	Twisted-pair
Wrapping above stranding	Plastic film
Shielded	Yes
Type of overall shielding	Aluminum-laminated plastic foil Tin-plated copper braiding
With rodent protection	No
Nominal outer diameter	0.315 in
Cable form	Round
Core insulation base material	Polyethylene foam
Conductor insulation basic material, short form	Foam-Skin PE
Basic material of inner jacket	Polyvinylchloride
Basic material of inner jacket, short form	PVC
colour inner sheath	white
Basic material of outer jacket	Polyvinylchloride

Base material of outer sheath, shortname	PVC
Outer jacket color	black
Colour outer sheath RAL code	RAL 9005
Core identification	Colors

Product features

Application area	Fixed Installation
Suitable for EX-applications	Yes
Minimum bending radius, stationary	8 x outer diameter
Minimum bending radius in inch, fixed installation	2.52 in
Temperature, fixed installation	-30 °C to 80 °C max. conductor temperature
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	Yes
UV-resistant according to	EN 50289-4-17
Halogenfree	No
Oil resistant	Yes
Oil resistance according to	UL 1581 paragraph 480 (60°C)(140°F)
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	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	No

UNITRONIC® BUS PA

Article No.	Name	Conductor count/size	Outer jacket color	Fast Connect (FC) cable	Nominal outer diameter	Copper index
2170234	UNITRONIC® BUS PA 1x2x1.3 BU	1X2X1.3	blue	No	0.315 in	302.4 lb/10000 ft
2170235	UNITRONIC® BUS PA 1x2x1.3 BK	1X2X1.3	black	No	0.315 in	302.39 lb/10000 ft
2170334	UNITRONIC® BUS PA FC (BU) 1X2X1.0	1X2X1.0	blue	Yes	0.315 in	305.7 lb/10000 ft
2170335	UNITRONIC® BUS PA FC (BK) 1X2X1.0	1X2X1.0	black	Yes	0.315 in	305.7 lb/10000 ft

V1.1