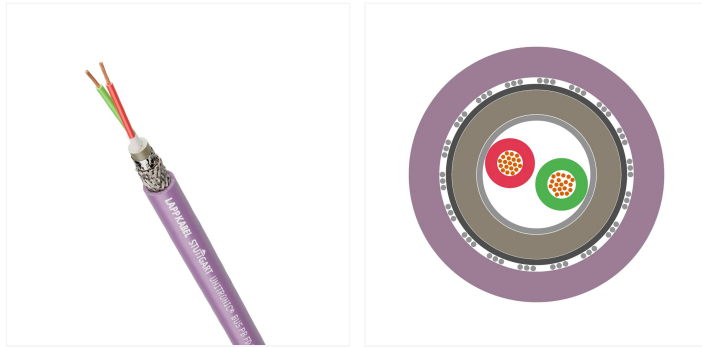


UNITRONIC® BUS PB FD FRNC FC

Article No.: 2170997

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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	174.7 lb/10000 ft
valid Fieldbus or Ethernet System	PROFIBUS DP

Electrical parameters

Maximum operating voltage (not for power transmission)	250 V
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Test voltage conductor/conductor	1.5 kV
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Nominal characteristic impedance	150 Ω
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Product design

Conductor count/size	1X2X0.64
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Nominal cross section conductor (AWG)	22 AWG
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Nominal diameter conductor (mm)	0.025 in
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Wire count	19
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Conductor material	Bare Copper
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Conductor design	fine-wire
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Including protective ground	No
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Number of cores	2
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Number of pairs	1
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Wrapping Pair	Fleece Wrapping
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Stranding type	Twisted-pair
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Wrapping above stranding	Fleece Wrapping
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Shielded	Yes
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Type of overall shielding	Aluminum-laminated plastic foil Tin-plated copper braiding
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Nominal outer diameter	0.315 in
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Cable form	Round
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Core insulation base material	Polyethylene foam
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Conductor insulation basic material, short form	Foam-Skin PE
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Basic material of inner jacket	Halogen-free compound
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colour inner sheath	white
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Basic material of outer jacket	Polyurethane
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Base material of outer sheath, shortname	PUR
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Outer jacket color	violet
Colour outer sheath RAL code	RAL 4001
Core identification	Colors

Product features

Application area	Cable chain
For permanent bending	Yes
For torsional load	No
Minimum bending radius, stationary	8 x outer diameter
Minimum bending radius in inch, fixed installation	2.52 in
Minimum bending radius, dynamic continuously flexing	15 x outer diameter
Minimum bending radius in inch, dynamic continuously flexing	4.724 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 IEC 60332-3-24
UV-resistant	Yes
UV-resistant according to	UL sunlight resistant
Halogenfree	Yes
Oil resistant	Yes
Fast Connect (FC) cable	Yes

Certifications and standards

CE marking	No
EAC certified	Yes

EAC certification number	EAЭС N RU Д-DE.АЮ64.В.00130/20
UL recognized	No
UL listed	Yes
cUR recognized	No
cUL listed	Yes
CSA certified	Yes
VDE certified	No

UNITRONIC® BUS PB FD FRNC FC

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2170997	UNITRONIC® BUS PB FD FRNC FC	1X2X0.64	0.315 in	174.7 lb/10000 ft

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