

UNITRONIC® BUS PB ROBUST 1X2X0,64
Article No.: 2170620

Bus cable; PROFIBUS DP; Fixed Installation; Nominal characteristic impedance: 150; TPE; violet



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.

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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
Test voltage conductor/conductor	1.5 kV
Test voltage conductor/shielding	1.5 kV
Loop resistance at 20°C	110 Ω/km
Nominal characteristic impedance	150 Ω

Product design

Conductor count/size	1x2x0,64
Nominal diameter conductor (mm)	0.025 in
Wire count	1
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	Plastic film
With armoring	No
With rodent protection	No
With supporting element	No
Nominal conductor diameter	0.1 in
Nominal outer diameter	0.307 in
Cable form	Round
With protective conductor	No
Core insulation base material	Polyethylene foam

Conductor insulation basic material, short form	Foam-Skin PE
Basic material of outer jacket	Thermoplastic elastomers
Base material of outer sheath, shortname	TPE
With reinforced outer jacket	No
Outer jacket color	violet
Core identification	Colors

Product features

Application area	Fixed Installation
For permanent bending	No
For torsional load	No
Windable	No
Minimum bending radius, stationary	10 x outer diameter
Minimum bending radius in inch, fixed installation	3.071 in
Minimum bending radius, occasionally moved	19 x outer diameter
Minimum bending radius in mm, occasionally moved	5.835 in
Temperature, fixed installation	-40 °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 ISO 4892-2, method A (color change permitted)
Halogenfree	No
Oil resistant	Yes
Fast Connect (FC) cable	No

Certifications and standards

CE marking	No
EAC certified	Yes

EAC certification number	EAЭC N RU Д-DE.АЮ064.В.00130/20
UL recognized	No
UL listed	No
cUR recognized	No
cUL listed	No
CSA certified	No
VDE certified	No
TÜV certified	No
Ecolab certified	Yes

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2170620	UNITRONIC® BUS PB ROBUST 1X2X0,64	1x2x0,64	0.307 in	174.7 lb/10000 ft

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