

M12 male 0° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 2.5m

Interbus Male straight M12, 5-pole B-coded shielded

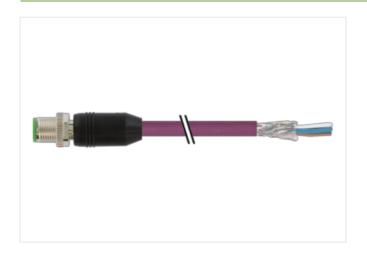
Further cable lengths on request.

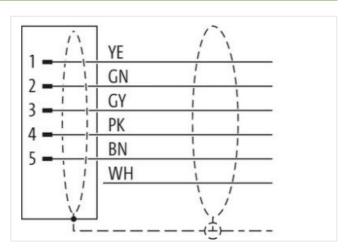
Plastic housings with good resistance against chemicals and oils.

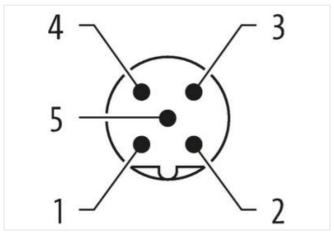
The resistance to aggressive media should be individually tested for your application. Further details on request.

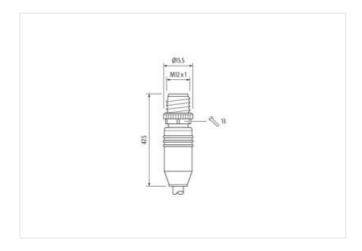
Link to Product

Illustration









Product may differ from Image









Cable length

2,5 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879753661
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	5.1. 2.1. 0.101 (WIL)
Installation Cable	



stay connected

Jackset Color	Cable identification	799
Amount stranding 3 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type) 3 stranded pints with 3 Filler twisted Cabbis shelding (type) copper braid, fined Cabbis shelding (type) copper braid, fined Banding Fleece Filler yes wire arrangement (white, brown), (gray, pink), (green, yellow) Traversing distance (C-track) 5 m @ 25 ° C Cabbis weight 76,48 g/m Multural jazbot PUR Shore hardness packet 85 : 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (sheath) 7,7 mm Tolerance outer diameter (sheath) 5 % Material wire insulation 1,4 mm Outer diameter insulation 1,5 m Outer diameter insulation 1,5 m Outer diameter insulation 1,5 m Important prices wire insulation 55 x Shore D Important prices wire insulation 1,5 m Important prices wire insulation	Jacket Color	violet
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Stranding (type 2) 3 Stranded joints with 3 Filler twisted Cable shielding (type) copper braid, fined Cable shielding (coverage) 85 % Banding Fiscoe Filter yes wire arrangement (white, brown), (gray, pirk), (green, yellow) Traversing distance (C-track) 5 m @ 25 °C Cable weight 76,49 gm Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingedents (acket) 7.7 mm Outer-diameter (jacket) 7.7 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PE Amount wires 6 Cuter diameter insulation 1,4 mm Outer diameter insulation 2,5 % Shore hardness wire insulation 1,4 mm Outer diameter insulation 1,2 5 % Shore hardness wire insulation 1,2 5 mm² Diameter of single wires 0,1 mm Conductor crossess wire insulation 1,2 5 mm² Diameter of single wires 0,1 mm Conductor trops cen		
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Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω /km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire 79,5 Ω /km @ 20 °C AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC $60332-2-2 \text{ UL 1581 \$ 1100 FT2 UL 1581 \$ 1090}$ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN $60811-404$ Bending radius (fixed) $6 \times \text{ Outer diameter}$ Bending radius (dynamic) $12 \times \text{ Outer diameter}$	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79,5 \Omega/\text{km} @ 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $1,5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - ack withstand voltage (wire - shield) $1,5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1,5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-40 ^{\circ}\text{C}$ Max. operating temperature (fixed) $80 ^{\circ}\text{C}$ Operating temperature min. (dynamic) $-30 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70 ^{\circ}\text{C}$ Flame resistance $1\text{EC} 60332-2-2 \text{ UL } 1581 \$ 1100 \text{ FT2} \text{ UL } 1581 \$ 1090$ chemical resistance 3Good , application-related testing} Oil resistance 3Good , application-related testing DIN EN $60811-404$ Bending radius (fixed) $6 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$	Conductor type (wire)	strand class 6
Current load capacity min. wire 3.2 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega / \text{km} @ 20 \degree \text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $40 \degree \text{C}$ Max. operating temperature (fixed) $80 \degree \text{C}$ Operating temperature min. (dynamic) $30 \degree \text{C}$ Operating temperature max. (dynamic) $70 \degree \text{C}$ Flame resistance $1 \text{EC} 60332 \cdot 2 \cdot 2 \cdot 2 \text{ lUL} 1581 \$ 1100 \text{ FT2} \text{ lUL} 1581 \$ 1090}$ chemical resistance $6000000000000000000000000000000000000$	Nominal voltage AC max.	125 V
Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79,5 \(\alpha\) kW \(\end{array}\) 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) 1,5 kV \(\end{array}\) 60 s AC withstand voltage (wire - shield) 1,5 kV \(\end{array}\) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 \(\frac{1}{3}\) 1100 FT2 UL 1581 \(\frac{1}{3}\) 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Current load capacity min. wire	3,2 A
AC withstand voltage (wire - wire) I,5 kV @ 60 s Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) I,5 kV @ 60 s AC withstand voltage (wire - shield) I,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 x Outer diameter	Electrical resistance line constant wire	79,5 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 1.5 kV @ 60 s 1.5 kV @ 60 s 1.5 kV @ 60 s 4.0 °C 4.0 °	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Electrical capacity line constant (wire - wire)	60000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter		1,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		-40 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Max. operating temperature (fixed)	80 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature min. (dynamic)	-30 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature max. (dynamic)	70 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Bending radius (dynamic) 12 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 12 x Outer diameter	Bending radius (fixed)	6 x Outer diameter
		12 x Outer diameter
	Travel speed (C-track)	2 Mio. @ 25 °C