

## PROFIBUS® cordsets

These pre-tested molded cordsets utilize high-quality continuous flex cable and integral molded strain relief. For motion applications, these cordsets are designed to provide interconnection between simple devices (sensors and actuators) and high level devices (PLCs and computers). Stationary cordsets offer long-lasting, reliable performance at reduced costs when continuous flexing is not required.

### Available configurations

- single-ended cordsets
- extension cordsets
- panel mount receptacle cordsets
- D-Sub Y-cordsets
- D-Sub cordsets

### Technical data

<b>Material:</b>	
- contact carrier:	PBT; black (V-0 per UL 94)
- molded head:	thermoplastic polyurethane; black*
- contacts:	gold-plated brass
- coupling nut:	nickel-plated brass
- shield:	foil & tinned copper braid
- outer jacket:	PVC or polyurethane; violet
- conductor insulation:	polyethylene

\* color is typical, not standard

<b>Temperature range:</b>	
- PROFIBUS M12:	-40°C to +80°C
- PROFIBUS DB9:	0°C to +60°C
- cable:	see specific cable catalog page

<b>Rated voltage:</b>	250V
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<b>Rated current:</b>	4A
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<b>Number of conductors:</b>	24 or 22 AWG/2pr (shielded data pair)
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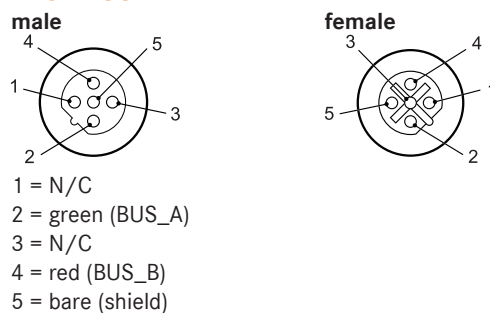
<b>IP Protection class:</b>	
- PROFIBUS M12:	IP67 NEMA 1, 3, 4, 6
- PROFIBUS DB:	IP67 NEMA 1, 3, 4, 6, 13
- D9S:	IP20

<b>Cable type:</b>	
- for stationary use:	UNITRONIC® BUS PB, page 173
- for continuous flex:	UNITRONIC® BUS PB FD, page 174

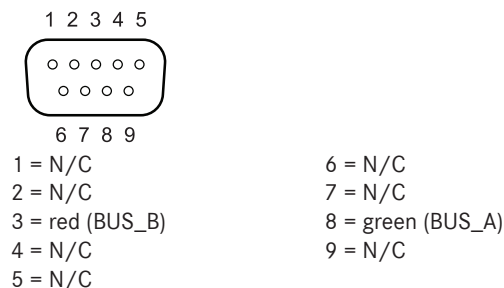


### Pin outs

#### PROFIBUS M12



#### PROFIBUS DB 9








### Approvals

For approvals, inquire with our factory: 800-774-3539.

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If not otherwise specified, all values relating to the product are nominal values.  
Photographs are not to scale and are not true representations of the products in question.

## PROFIBUS® single-ended cordsets

### 5-pos. M12 connectors to flying leads

	<b>connector 1</b>	<b>UNITRONIC® BUS PB</b>	<b>connector 2</b>	
male M12 straight connector				flying leads
male M12 90° connector				
female M12 straight connector				
female M12 90° connector				









Cable type	Part number	Page
stationary	2170219	173
continuous flexing	2170322	174

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>M12 to flying leads</b>			
male M12 straight	flying leads	PB4110100Sxx	PB4110100Fxx
male M12 90°	flying leads	PB4110101Sxx	PB4110101Fxx
female M12 straight	flying leads	PB4110102Sxx	PB4110102Fxx
female M12 90°	flying leads	PB4110103Sxx	PB4110103Fxx

For part number, replace "xx" with the desired cable length in meters

## PROFIBUS® extension cordsets

### 5-pos. M12 connectors to 5-pos. M12 connectors

	<b>connector 1</b>	<b>UNITRONIC® BUS PB</b>	<b>connector 2</b>	
male M12 straight connector				male M12 straight connector
male M12 90° connector				male M12 90° connector
female M12 straight connector				female M12 straight connector
female M12 90° connector				female M12 90° connector

Cable type	Part number	Page
stationary	2170219	173
continuous flexing	2170322	174




Connector 1	Connector 2	Part number	
		stationary	continuous flex
male M12 straight	male M12 straight	PB4110128Sxx	PB4110128Fxx
male M12 straight	male M12 90°	PB4110129Sxx	PB4110129Fxx
male M12 straight	female M12 straight	PB4110104Sxx	PB4110104Fxx
male M12 straight	female M12 90°	PB4110105Sxx	PB4110105Fxx
male M12 90°	male M12 90°	PB4110131Sxx	PB4110131Fxx

Connector 1	Connector 2	Part number	
		stationary	continuous flex
male M12 90°	female M12 straight	PB4110106Sxx	PB4110106Fxx
male M12 90°	female M12 90°	PB4110107Sxx	PB4110107Fxx
female M12 straight	female M12 straight	PB4110134Sxx	PB4110134Fxx
female M12 straight	female M12 90°	PB4110135Sxx	PB4110135Fxx
female M12 90°	female M12 90°	PB4110139Sxx	PB4110139Fxx

For part number, replace "xx" with the desired cable length in meters

## PROFIBUS® panel mount receptacle cordsets

### 5-pos. M12 panel mount bulkheads to flying leads

	<b>connector 1</b>	<b>UNITRONIC® BUS PB</b>	<b>connector 2</b>	
male M12 bulkhead				flying leads
female M12 bulkhead				

Cable type	Part number	Page
stationary	2170219	173
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Connector 1	Connector 2	Part number	
		stationary	continuous flex
male M12 bulkhead	flying leads	PB4110119Sxx	PB4110119Fxx
female M12 bulkhead	flying leads	PB4110120Sxx	PB4110120Fxx

For part number, replace "xx" with the desired cable length in meters

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## PROFIBUS® D-sub Y-cordsets

Two 5-pos. M 12 connectors to 9-pos. D-sub node module

**connector 1**

male M 12 straight connector

male M 12 90° connector

female M 12 straight connector

female M 12 90° connector

Cable type	Part number	Page
stationary	2170219	173
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**connector 2**

D-sub node module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>2 male M 12 to D-sub node</b>			
male M 12 straight	male M 12 straight	PB4110108Sxx	PB4110108Fxx
male M 12 straight	female M 12 straight	PB4110149Sxx	PB4110149Fxx
female M 12 straight	female M 12 straight	PB4110109Sxx	PB4110109Fxx
<b>2 female M 12 to D-sub node</b>			
female M 12 straight	female M 12 straight	PB4110110Sxx	PB4110110Fxx
female M 12 straight	female M 12 90°	PB4110150Sxx	PB4110150Fxx
female M 12 90°	female M 12 90°	PB4110111Sxx	PB4110111Fxx
<b>1 male/1 female M 12 to D-sub node</b>			
male M 12 straight	female M 12 straight	PB4110112Sxx	PB4110112Fxx

For part number, replace "xx" with the desired cable length in meters

## PROFIBUS® D-sub Y-cordsets

Two 5-pos. M 12 connectors to 9-pos. D-sub straight module

**connector 1**

male M 12 straight connector

male M 12 90° connector

female M 12 straight connector

female M 12 90° connector

Cable type	Part number	Page
stationary	2170219	173
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**connector 2**

D-sub straight module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>2 male M 12 to D-sub straight</b>			
male M 12 straight	male M 12 straight	PB4110158Sxx	PB4110158Fxx
male M 12 straight	male M 12 90°	PB4110156Sxx	PB4110156Fxx
female M 12 90°	male M 12 90°	PB4110160Sxx	PB4110160Fxx
<b>2 female M 12 to D-sub straight</b>			
female M 12 straight	female M 12 straight	PB4110161Sxx	PB4110161Fxx
female M 12 straight	female M 12 90°	PB4110157Sxx	PB4110157Fxx
female M 12 90°	female M 12 90°	PB4110162Sxx	PB4110162Fxx
<b>1 male/1 female M 12 to D-sub straight</b>			
male M 12 straight	female M 12 straight	PB4110163Sxx	PB4110163Fxx

For part number, replace "xx" with the desired cable length in meters

## PROFIBUS® D-sub cordsets

5-pos. M12 connectors or flying leads to 9-pos. D-sub terminator module

**connector 1**


male M12 straight connector

male M12 90° connector

female M12 straight connector

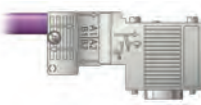
female M12 90° connector

flying leads



Cable type	Part number	Page
stationary	2170219	173
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**connector 2**



D-sub terminator module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>M12 to D-sub terminator</b>			
male M12 straight	D-sub terminator	PB4110141Sxx	PB4110141Fxx
male M12 90°	D-sub terminator	PB4110142Sxx	PB4110142Fxx
female M12 straight	D-sub terminator	PB4110143Sxx	PB4110143Fxx
female M12 90°	D-sub terminator	PB4110144Sxx	PB4110144Fxx
<b>Flying leads to D-sub terminator</b>			
flying leads	D-sub terminator	PB4110140Sxx	PB4110140Fxx

For part number, replace “xx” with the desired cable length in meters

## PROFIBUS® D-sub cordsets

5-pos. M12 connectors or flying leads to 9-pos. D-sub master module

**connector 1**


male M12 straight connector

male M12 90° connector

female M12 straight connector


female M12 90° connector

flying leads



Cable type	Part number	Page
stationary	2170219	173
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**connector 2**



D-sub master module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>M12 to D-Sub Master</b>			
male M12 straight	D-sub master	PB4110113Sxx	PB4110113Fxx
male M12 90°	D-sub master	PB4110114Sxx	PB4110114Fxx
female M12 straight	D-sub master	PB4110115Sxx	PB4110115Fxx
female M12 90°	D-sub master	PB4110116Sxx	PB4110116Fxx
<b>Flying leads to D-sub master</b>			
flying leads	D-sub master	PB4110118Sxx	PB4110118Fxx

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## PROFIBUS® D-sub cordsets

5-pos. M12 connectors or flying leads to 9-pos. D-sub node module

**connector 1**


male M12 straight connector

male M12 90° connector

female M12 straight connector

female M12 90° connector

flying leads



Cable type	Part number	Page
stationary	2170219	173
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**connector 2**

D-sub node module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>M12 to D-sub node</b>			
male M12 straight	D-sub node	PB4110145Sxx	PB4110145Fxx
male M12 90°	D-sub node	PB4110146Sxx	PB4110146Fxx
female M12 straight	D-sub node	PB4110147Sxx	PB4110147Fxx
female M12 90°	D-sub node	PB4110148Sxx	PB4110148Fxx
<b>Flying leads to D-sub node</b>			
flying leads	D-sub node	PB4110117Sxx	PB4110117Fxx

For part number, replace "xx" with the desired cable length in meters.

## PROFIBUS® D-sub cordsets

5-pos. M12 connectors or flying leads to 9-pos. D-sub straight module

**connector 1**


male M12 straight connector

male M12 90° connector

female M12 straight connector

female M12 90° connector

flying leads



Cable type	Part number	Page
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**connector 2**

D-sub straight module

Connector 1	Connector 2	Part number	
		stationary	continuous flex
<b>M12 to D-sub straight</b>			
male M12 straight	D-sub straight	PB4110152Sxx	PB4110152Fxx
male M12 90°	D-sub straight	PB4110153Sxx	PB4110153Fxx
female M12 straight	D-sub straight	PB4110154Sxx	PB4110154Fxx
female M12 90°	D-sub straight	PB4110155Sxx	PB4110155Fxx
<b>Flying leads to D-sub straight</b>			
flying leads	D-sub straight	PB4110151Sxx	PB4110151Fxx

For part number, replace "xx" with the desired cable length in meters.