



4-pin Exi sensor cable for explosion-proof areas

for use with vibration monitoring
series HE100.02

1 Technical data

1.1 General data

Special features	compatible with drag chain silicone-free free of substances harmful to wetting agents low-adhesion surface
flame resistance	in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
free of halogens	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
oil resistance	in accordance with DIN EN 60811-2-1
Other resistance	highly resistant to acids, alkalis, and solvents resistant to hydrolysis and microbes resistant to seawater limited UV resistance in accordance with DIN EN ISO 4892-2-A abrasion-resistant
protection class	IP65, IP67, IP68
Ambient temperature (operation)	-40°C-80°C (cables, fixed installation)

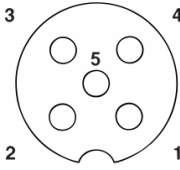
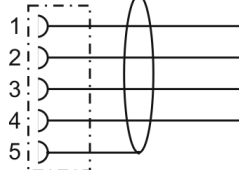
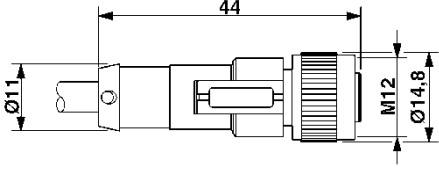
1.2 M12 connector

Number of contacts	4
Coding	A - Standard
Standards/regulations	M12 connector IEC 61076-2-101
Tightening torque	0.4 Nm (M12 connector)
Handle material	TPU
Knurl material	Die-cast zinc, nickel-plated

1.3 Wire

Outer coating material	PUR
Conductor insulation	PP
Conductor cross-section	4x 0.34 mm ²
Conductor colours	brown, white, blue, black
Shielding	braided from tin-plated copper wires, shield coverage 80%
Outer coating, colour	black grey RAL 7021
Outer cable diameter D	4.95 mm ±0.2 mm
Stripped length of open wire end	50 mm

1.4 Contact assignment

		
Pin layout socket M12, 5-pin, A-coded, socket side view	M12 socket contact assignment	All measurements in mm.
Pin 1: brown Pin 3: blue Pin 5: shield Pin 2: white Pin 4: black		

2 Order info

Cable length in metres (m)	Item no.	Item description
2	11141	Special cable for use with ATEX Ex ib Cable - 4-pin - 2m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
5	11142	Special cable for use with ATEX Ex ib Cable - 4-pin - 5m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
10	11143	Special cable for use with ATEX Ex ib Cable - 4-pin - 10m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
15	11661	Special cable for use with ATEX Ex ib Cable - 4-pin - 15m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
20	11662	Special cable for use with ATEX Ex ib Cable - 4-pin - 20m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
25	11670	Special cable for use with ATEX Ex ib Cable - 4-pin - 25m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket
30	11671	Special cable for use with ATEX Ex ib Cable - 4-pin - 30m – shielded; M12 socket; coating material: PUR; coating colour: blue; protection class: IP67; special feature: shield goes to pin 5 from M12 socket