8-pin sensor cable

for use with vibration monitoring series 663

1   Technical data

1.1   General data

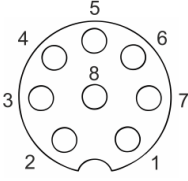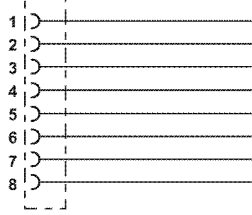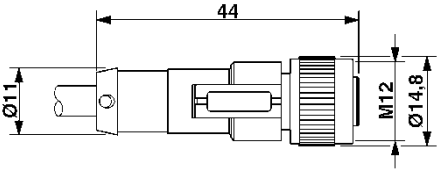|	
Special features	compatible with drag chain silicone-free free of substances harmful to wetting agents low-adhesion surface
flame resistance	in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
free of halogens	in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1
oil 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	8
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	8x 0.25 mm²
Conductor colours	brown, white, green, yellow, grey, pink, blue, red
Shielding	braided from tin-plated copper wires, shield coverage 85%
Outer coating, colour	black grey RAL 7021
Outer cable diameter D	5.9 mm ±0.2 mm
Stripped length of open wire end	50 mm

1.4   Contact assignment

Pin layout socket M12, 8-pin, A-coded, socket side view	M12 socket contact assignment	All measurements in mm.

Pin 1: white	Pin 4: yellow	Pin 7: blue	
Pin 2: brown	Pin 5: grey	Pin 8: red	
Pin 3: green	Pin 6: pink		

2   Order info

Cable length in metres (m)	Item no.	Item description
2	10479	Cable - 8-pin - 2m – shielded; M12 socket; coating: PUR/PVC; protection class: IP67
5	10480	Cable - 8-pin - 5m – shielded; M12 socket; coating: PUR/PVC; protection class: IP67
7.5	10519	Cable - 8-pin – 7.5m – shielded; M12 socket; coating: PUR/PVC; protection class: IP67
10	10481	Cable - 8-pin - 10m – shielded; M12 socket; coating: PUR/PVC; protection class: IP67
15	10677	Cable - 8-pin - 15m – shielded; M12 socket; coating: PUR/PVC; protection class: IP67