

# Cables and connectors

## Preassembled cables

## M12 connection technology

## With connector, 5 pin



**Female connector with coupling nut, A coded, straight**

**PVC cable, 8 x 0.205 mm<sup>2</sup> [AWG24]**  
seawater resistant, recyclable, PWIS free,  
acid/alkali/oil/ozon/UV resistant

**DT04 connector, 6 pin, male contacts, straight**



**SAE J1939**

### Order details

Order no.

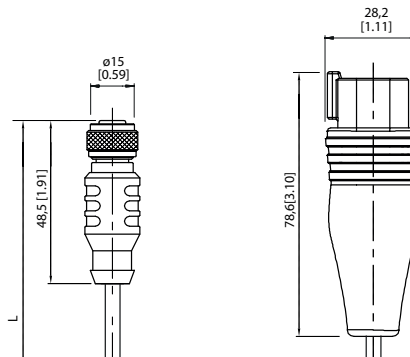
for Bus in / out

Cable length	Order no.
1 m [3.28']	<b>05.00.6091.22C7.001M</b>
2 m [6.56']	<b>05.00.6091.22C7.002M</b>
...	...
xx m	<b>05.00.6091.22C7.0xxM</b>
standard cable length (further on request)	xx = length in meters: 1, 2, 3, 5, 8, 10, 12, 15, 20, 25, 30

### Technical data

<b>Connector</b>	
material housing	plastic
protection	IP67
<b>Wire cross sections</b>	8 x 0.205 mm <sup>2</sup> [AWG24]
<b>Working temperature range</b>	-40 °C ... +105 °C [-40 °F ... +221 °F]
<b>Bending radius cable min.</b>	
flexible installation	130 mm [5.12"]
fixed installation	60 mm [2.36"]
<b>Cable sheath</b>	
cable diameter approx.	6.5 mm ±0.2 mm
material sheath	PVC

Dimensions in mm [inch]



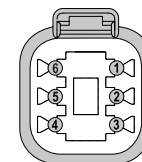
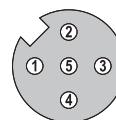
### Connections

Terminal assignment

Pin M12 female con.:	1	2	3	4	5	–
Pin DT04 male con.:	1	2	3	4	5	6
Core color:	BN	GY	WH	GN	BU	n.c.

Shield on housing

Plug-in face, A coded



### Suitable for our series

Encoders singleturn	Encoders multiturn	Draw-wire encoders	Linear measuring systems	Inclinometers	Slip rings
M3658A(R) / M3678A M5858A	M3668(R) / M3688 M5868	A41 A50 B75 B80 C60 C100 C105 C120 D120 D125 D135	Limes KIT TB1	IN88	SR160