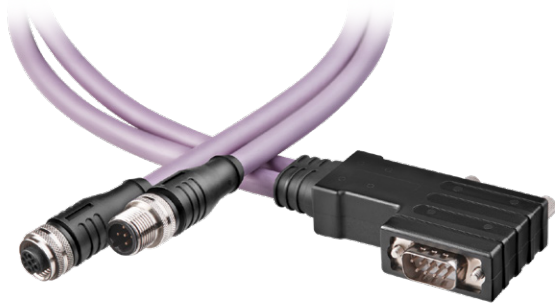


Cables and connectors

Preassembled cables

Sub-D connection technology

With Sub-D and M12-connector



Sub-D male connector, 9 pin with cable outlet 90°

PUR cable, 2 x 0.34 mm² [AWG22]

M12 male connector with external thread and
M12 female connector with coupling nut, 5 pin, B coded



Order details

Order no.

Sub-D male connector, 9 pin, cable outlet 90°
Profibus master with terminating resistor
Bus in, Bus out

| | | |
|--------------|--------------|-----------------------------|
| Cable length | 2 m [6.56'] | 05.00.6012.5536.002M |
| | 5 m [16.40'] | |
| | ... | ... |
| | xx m | 05.00.6012.5536.0xxM |

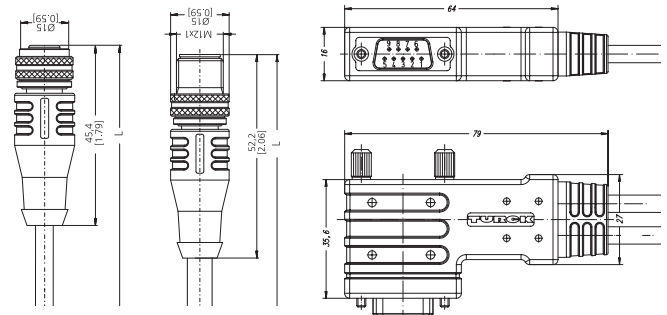
standard cable length
(further on request)

xx = length in meters:
2, 5, 10, 15, 20, 30

Technical data

| | |
|----------------------------------|--|
| Connector | |
| housing Sub-D | ABS, metalized |
| housing M12 | metal / plastic |
| Wire cross sections | 2 x 0.34 mm ² [AWG22] |
| Working temperature range | |
| flexible installation | -25 °C ... +80 °C [-13 °F ... +176 °F] |
| fixed installation | -50 °C ... +80 °C [-58 °F ... +176 °F] |
| Bending radius cable min. | |
| flexible installation | 114 mm [4.49"] |
| fixed installation | 38 mm [1.50"] |
| Cable sheath | |
| cable diameter approx. | 7.6 mm ±0.2 mm |
| material sheath | PUR |

Dimensions in mm [inch]



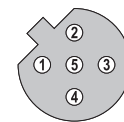
Connections

Terminal assignment

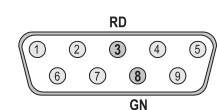
| | | | | | |
|-----------------|---|---|---|---|---|
| Pin Sub-D: | | 8 | | 3 | |
| Pin M12 female: | 1 | 2 | 3 | 4 | 5 |
| Pin M12 male: | 1 | 2 | 3 | 4 | 5 |

Shield on housing (Sub-D additionally to pin 1)
pins arranged below each other are connected internally

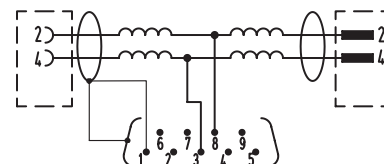
Plug-in face M12, B coded



Plug-in face Sub-D



Wiring diagram



Suitable for our series

| | | | | |
|------------------------|-----------------------|---|-----------------------------|------------|
| Encoders singleturn | Encoders multiturn | Draw-wire encoders | Linear measuring systems | Slip rings |
| 5858 / 5878 | 5868 / 5888 | A41 A50 B75 B80 C60 C100 | Limes KIT TB1 | SR160 |