

# Cables and connectors

## Preassembled cables

## M12 connection technology

## With connector, 5 pin



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

**PVC cable, 5 x 0.25 mm<sup>2</sup> [AWG23]**  
seawater resistant, recyclable, PWIS free,  
acid/alkali/oil/ozon/UV resistant

**Single-ended**



SAE J1939

## Order details

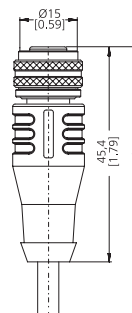
Order no.

|              |   |  |
|--------------|---|--|
| Cable length | 2 m [6.56']                                   | <b>05.00.6081.2211.002M</b>                    |
|              | 5 m [16.40']                                  | <b>05.00.6081.2211.005M</b>                    |
|              | ...   | ...  |
|              | xx m  | <b>05.00.6081.2211.0xxM</b>                    |
|              | standard cable length<br>(further on request) | xx = length in meters:<br>2, 5, 10, 15, 20, 30 |

## Technical data

|                                  |   |
|----------------------------------|---|
| <b>Connector</b>                 |   |
| material housing                 | metal / plastic                           |
| protection                       | IP67                                      |
| <b>Wire cross sections</b>       | 5 x 0.25 mm <sup>2</sup> [AWG23] + shield |
| <b>Working temperature range</b> |   |
| flexible installation            | 0 °C ... +80 °C [-32 °F ... +176 °F]      |
| fixed installation               | -25 °C ... +80 °C [-13 °F ... +176 °F]    |
| <b>Bending radius cable min.</b> |   |
| flexible installation            | 56 mm [2.20"]                             |
| fixed installation               | 27.5 mm [1.08"]                           |
| <b>Cable sheath</b>              |   |
| cable diameter approx.           | 5.5 mm ±0.2 mm                            |
| material sheath                  | PVC                                       |

Dimensions in mm [inch]



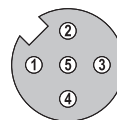
## Connections

Terminal assignment

|                      |    |    |    |    |    |
|----------------------|----|----|----|----|----|
| Pin female contacts: | 1  | 2  | 3  | 4  | 5  |
| Core color:          | BN | WH | BU | BK | GY |

Shield on housing

Plug-in face, A coded



## Suitable for our series

| Encoders incremental | Encoders singleturn | Encoders multiturn | Draw-wire encoders | Linear measuring systems | Inclinometers | Slip rings |
|----------------------|---------------------|--------------------|--------------------|--------------------------|---------------|------------|
| 5000 / 5020          | 3651 / 3671         | M3661(R) / M3681   | A41                | Limes KIT TB1            | IN88          | SR160      |
| KIS50 / KIH50        | M3651A(R) / M3671A  | M3668(R) / M3688   | A50                |                          |               |            |
| A02H                 | M3658A(R) / M3678A  | F3668 / F3688      | B75                |                          |               |            |
|                      | F3653 / F3673       | M5861              | B80                |                          |               |            |
|                      | F3658 / F3678       | M5868              | C60                |                          |               |            |
|                      | M5851A              | 5868 / 5888        | C100               |                          |               |            |
|                      | M5878A              | F5868 / F5888      | C105               |                          |               |            |
|                      | 5858 / 5878         | F5888M Motor-Line  | C120               |                          |               |            |
|                      | S3674               | S3684              | D120               |                          |               |            |
|                      |                     |                    | D125               |                          |               |            |
|                      |                     |                    | D135               |                          |               |            |