

# Cables and connectors

**Preassembled cables**

**M12 connection technology**

**With connector, 8 pin**



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

**PVC cable, 8 x 0.25 mm<sup>2</sup> [AWG23]**  
seawater resistant, recyclable, PWIS free,  
acid/alkali/oil/ozon/UV resistant

**Single-ended**



Analog output

Push-Pull

HTL

RS422

TTL

Open Collector

NPN

SinCos

**Order details**

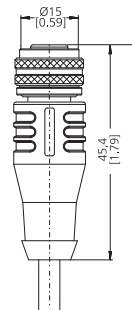
Order no.

Cable length	1 m [3.28']	<b>05.00.6041.8211.001M</b>
	2 m [6.56']	<b>05.00.6041.8211.002M</b>
	...	...
	xx m	<b>05.00.6041.8211.0xxM</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	metal / plastic
protection	IP67
<b>Wire cross sections</b>	8 x 0.25 mm <sup>2</sup> [AWG23]
<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	67 mm [2.34"]
fixed installation	33.5 mm [1.32"]
<b>Cable sheath</b>	
cable diameter approx.	6.7 mm ±0.2 mm
material sheath	PVC

Dimensions in mm [inch]



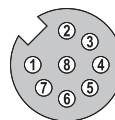
**Connections**

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8
Core color:	WH	BN	GN	YE	GY	PK	BU	RD

Shield on housing

Plug-in face, A coded



**Suitable for our series**

Encoders incremental	Encoders singleturn	Encoders multiturn	Draw-wire encoders	Linear measuring systems
3610 / 3620	M3653A(R) / M3673A	M3663(R) / M3683	A41	Limes KIT TB1
5000 / 5020	M5853	F3663 / F3683	A50	Length measuring systems with rack and measuring wheel
KIS50 / KIH50	5853 / 5873	M5863	B75	
5834 Motor-Line		5863 / 5883	B80	
5814FS2 / 5834FS2			C105	
5814FS3 / 5834FS3			C120	
5805 / 5825			D135	
5006 / 5026				
5821				
A020 / A02H				
H120				