Electrical Connection Accessories

M12 Power/Output Cables & Connectors

measuring • monitoring • analyzing

807.xxx/ZUB

- Round Connectors M12 x 1: 4, 5, and 8 pins
- Straight and 90° Angled Connectors
- Cable Lengths: 2 m (6.6 ft), 5 m (16.6 ft), and 10 m (32.8 ft) (Custom Length Available upon Request)
- Nickel-Plated Brass Coupling Nut

KOBOLD companies worldwide:

AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHINA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, RUSSIA, SPAIN, SWITZERLAND, THAILAND, TUNISIA, TURKEY, USA, VIETNAM

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205
Main Office:
1.800.998.1020
1.412.788.4890
info@koboldusa.com
www.koboldusa.com

05/02-23-2022

M12x1 Connector with cable, According to IEC 61076-2-101

Round Connector, M12x1 Socket, Straight			
Cable Models*	**807.037:** 2 m (6.6 feet) **807.037/5M:** 5 m (16.4 feet) **807.037/10M:** 10 m (32.8 feet)	**807.007:** 2 m (6.6 feet) **807.007/5M:** 5 m (16.4 feet) **807.007/10M:** 10 m (32.8 feet)	**807.008:** 2 m (6.6 feet) **807.008/5M:** 5 m (16.4 feet) **807.008/10M:** 10 m (32.8 feet)
Outer Jacket/Body	PVC jacketed cable/ PUR molded body	PVC jacketed cable/ PUR molded body	PVC jacketed cable/ PUR molded body
Male Insert	PUR	PUR	PUR
Coupling Nut	Brass, nickel-plated	Brass, nickel-plated	Brass, nickel-plated
O-Ring	FKM	FKM	FKM
Cable Diameter (OD)	4.8 mm	5.3 mm	5.9 mm
Wire Gauge	22 AWG	22 AWG	24 AWG
Number of Pins	4	5	8
Protection	IP 67	IP 67	IP 67
Voltage Rating	250 V	250 V	30 VAC / 36 VDC
Current Rating	4 A	4 A	1.5 A
Ambient Temperature	-40 ... 194 °F	-40 ... 194 °F	-40 ... 194 °F

Round Connector, M12x1 Socket, Angled			
Cable Models*	**807.037/90D:** 2 m (6.6 feet) **807.037/90D5M:** 5 m (16.4 feet) **807.037/90D10M:** 10 m (32.8 feet)	**807.007/90D:** 2 m (6.6 feet) **807.007/90D5M:** 5 m (16.4 feet) **807.007/90D10M:** 10 m (32.8 feet)	**807.008/90D:** 2 m (6.6 feet) **807.008/90D5M:** 5 m (16.4 feet) **807.008/90D10M:** 10 m (32.8 feet)
Outer Jacket/Body	PVC jacketed cable/ PUR molded body	PVC jacketed cable/ PUR molded body	PVC jacketed cable/ PUR molded body
Male Insert	PUR	PUR	PUR
Coupling Nut	Brass, nickel-plated	Brass, nickel-plated	Brass, nickel-plated
O-Ring	FKM	FKM	FKM
Cable Diameter (OD)	4.8 mm	5.3 mm	5.9 mm
Wire Gauge	22 AWG	22 AWG	24 AWG
Number of Pins	4	5	8
Protection	IP 67	IP 67	IP 67
Voltage Rating	250 V	250 V	30 VAC / 36 VDC
Current Rating	4 A	4 A	1.5 A
Ambient Temperature	-40 ... 194 °F	-40 ... 194 °F	-40 ... 194 °F

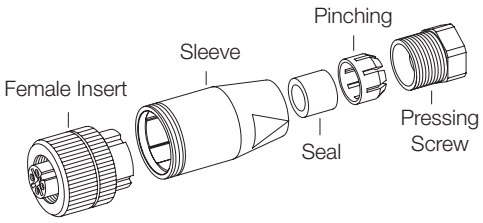
* Custom length available upon request

No responsibility taken for errors;
subject to change without prior notice.

M12x1 Round Terminal

Round Terminal, M12x1 Socket, Straight		
Model	**ZUB-KAB12D500**	**ZUB-KAB12D800**
Way of Connection	M12 Thread	M12 Thread
Male Insert	PBT / PA66	PA
Coupling Nut	PA66	Brass, nickel-plated
Cable Diameter (OD)	4 - 6 mm	6 - 8 mm
Cross Section of Wire	Max. 0.75 mm^2	Max. 0.5 mm^2
Number of Pins	5	8
Protection	IP 67	IP 67
Voltage Rating	60 V	30 V
Current Rating	4 A	2 A
Ambient Temperature	-40…185 °F	-13…185 °F

M12x1 Round Terminal Exploded View

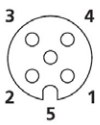


Pin Assignment and Wire Color

807.037

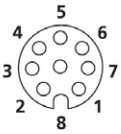
1 = Brown
2 = White
3 = Blue
4 = Black

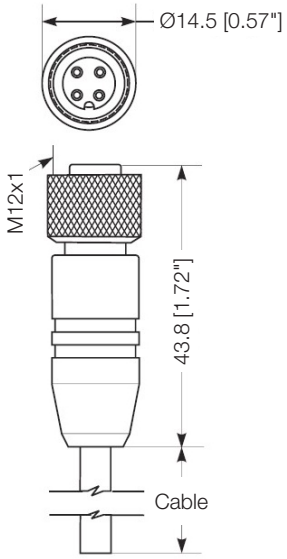
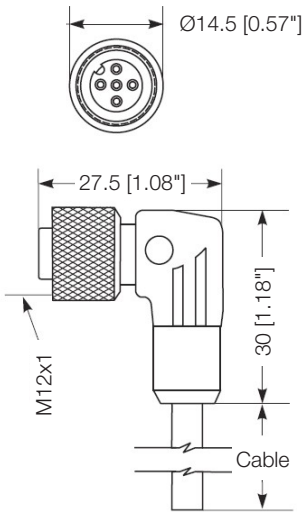
807.007



1 = Brown
2 = White
3 = Blue
4 = Black
5 = Grey

807.008



1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Grey
6 = Pink
7 = Blue
8 = Red

Dimensions mm [inches], M12x1 Connector with cable