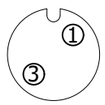
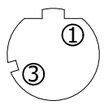
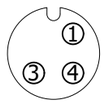
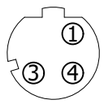
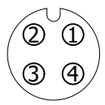
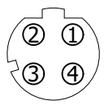
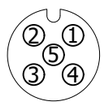
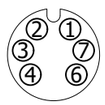
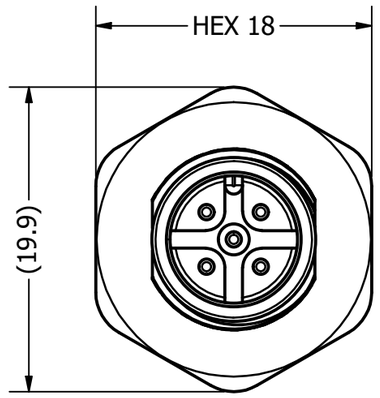
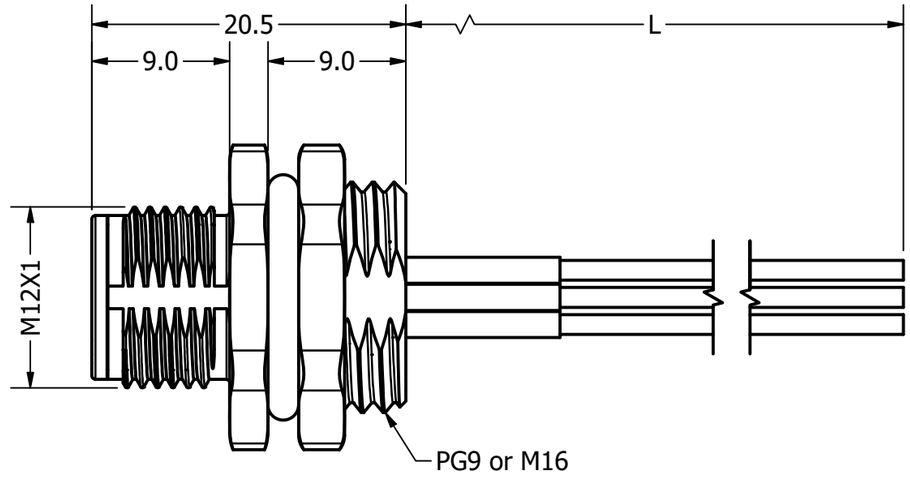
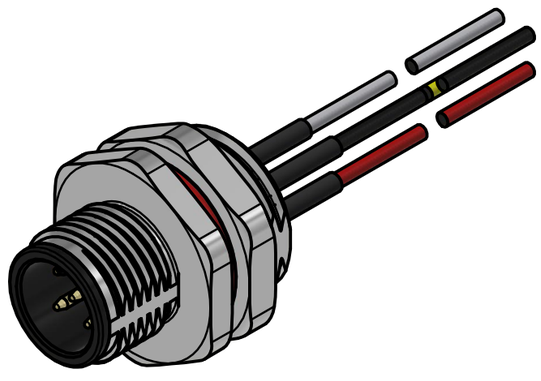
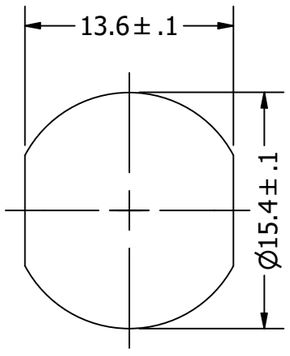
	A CODE	D CODE	CABLE GAUGE	PIN OUT
2 PIN			22 AWG	1. BLACK 3. BROWN
3 PIN			22 AWG	1. BLACK 3. BROWN 4. RED
4 PIN			22 AWG	1. BLACK 2. WHITE 3. BROWN 4. RED
5 PIN			22 AWG	1. BLACK 2. WHITE 3. BROWN 4. RED 5. YELLOW
6 PIN			24 AWG	1. BLACK 7. BLUE 2. WHITE 3. BROWN 4. RED 6. YELLOW
7 PIN			24 AWG	1. BLACK 6. BLUE 2. WHITE 7. ORANGE 3. BROWN 4. RED 5. YELLOW
8 PIN			24 AWG	1. BLACK 6. BLUE 2. WHITE 7. ORANGE 3. BROWN 8. GREEN 4. RED 5. YELLOW
9 PIN			26 AWG	1. BLACK 6. BLUE 2. WHITE 7. ORANGE 3. BROWN 8. GREEN 4. RED 9. PURPLE 5. YELLOW
10 PIN			26 AWG	1. BLACK 6. BLUE 2. WHITE 7. ORANGE 3. BROWN 8. GREEN 4. RED 9. PURPLE 5. YELLOW 10. GREY
11 PIN			26 AWG	1. BLACK 6. BLUE 11. PINK 2. WHITE 7. ORANGE 3. BROWN 8. GREEN 4. RED 9. PURPLE 5. YELLOW 10. GREY
12 PIN			26 AWG	1. BLACK 6. BLUE 11. PINK 2. WHITE 7. ORANGE 12. LIGHT GREEN 3. BROWN 8. GREEN 4. RED 9. PURPLE 5. YELLOW 10. GREY

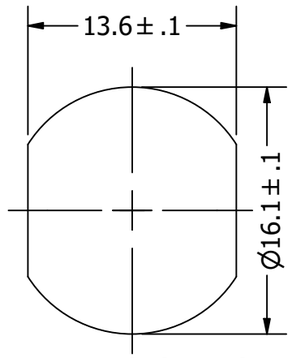








PG9 Recommended panel cutout
MAX panel thickness: 4.0



M16 Recommended panel cutout
MAX panel thickness: 4.0

Electrical:

Current rating	4A (2 ~ 5 Pins), 2A (6 ~ 8 Pins), 1.5A (9 ~ 12 Pins) AC/DC
Voltage rating	250V (2 ~ 4 Pins), 60V (5 Pins), 30V (6 ~ 12 Pins) AC/DC
Withstanding voltage	450V AC/minute between contacts
Insulation resistance	10MΩ MIN
Contact resistance	5mΩ MAX

Environmental:

Operating temperature	-40°C ~ +80°C
Ingress protection	IP67
Mating cycles	500

SCA12-XXPRXX-XXXX

- M12
- No. of contacts
- Plug
- Rear fastened
- Coding
- Panel lock thread: 1=PG9 2=M16
- Length

PARTS LIST		
ITEM	DESCRIPTION	QTY
1	M12 plug rear fastened solder type	1
2	Heat shrink tube, Colour: black	A/R
3	UL1007 XXAWG, Colour:XX	A/R

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	22 Aug 2026	Owen Page
1.1	Updated Drawing	FB / SUPP	29 Sep 2026	Peter Millard

Design Right Protected	Material:	Finish:	General Tol x.x ±0.50 0~0.2m ±10 0.2~1m ±20 1~2m ±40 2~5m ±60 5~10m ±100	DO NOT SCALE	
Third Angle Projection	Designed by Owen Page	Checked by Peter Millard	Approved by	©2026	Date 22 Aug 2023	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTIRES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: M12 (X) Pin A/D Code Plug, Straight, Rear Fastening (PG9/M16 Thread) Cable Assembly	Part No: SCA12-XXPRXX-XXXX	Issue 1.1	Sheet 1 / 1

Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12 Cable