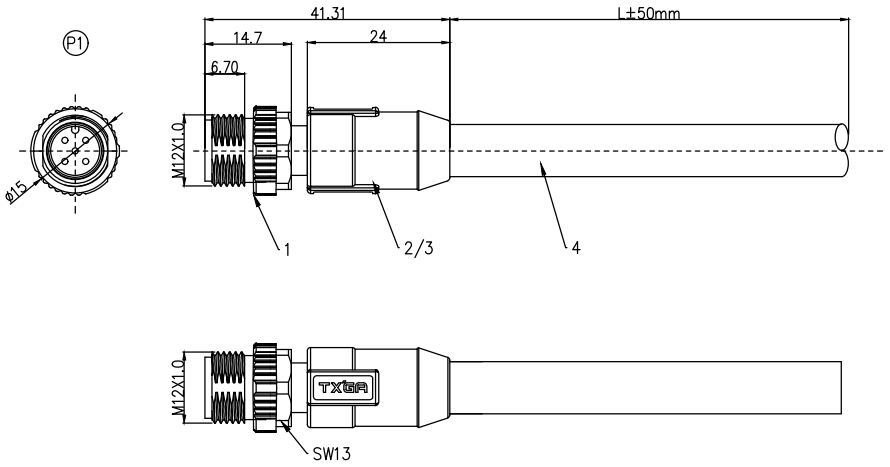
Coded	2Pin	3Pin	4Pin	5Pin	6Pin	7Pin	8Pin	9Pin	10Pin	11Pin	12Pin
A-Coded											
B-Coded											
D-Coded											

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		11/12 cores, modify the core wire	18/Nov/24	King	LEO



Note:
1. Waterproof Rate: IP68
2. This product must meet IEC61076-2-101
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: ±0.20

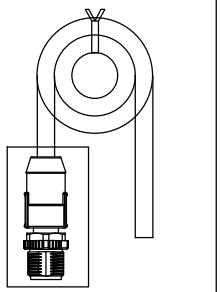
Pin Assignments Front View	Rated Voltage	Rated impulse Voltage	Rated Currnt(40°C)	Wire Size(mm²) AWG	O.D(mm)
	250V	2500V	4A	0.34mm²/22	4.5
	250V	2500V	4A	0.34mm²/22	5.0
	250V	2500V	4A	0.34mm²/22	5.5
	60V(UL125V)	1500V	4A(UL3A)	0.34mm²/22	6.0
	30V(UL60V)	800V	2.0A	0.25mm²/24	5.5
	30V(UL60V)	800V	2.0A	0.25mm²/24	5.5
	30V(UL60V)	800V	2.0A	0.25mm²/24	6.0
	30V	800V	1.5A	0.14mm²/26	6.0
	30V	800V	1.5A	0.14mm²/26	6.0
	30V	800V	1.5A	0.14mm²/26	6.5
	30V	800V	1.5A	0.14mm²/26	6.5

4	UL20549 PUR black cable
3	PVC black adhesive outer mold: 30P
2	PVC black adhesive inner mold: 30P
1	M12X1.0 male plug with shielding

TABLE 1

CABLE LENGTH (XXX)	005	010	015	020	025	030	035	040	045	050	.....	999
L(M)	0.5M	1M	1.5M	2M	2.5M	3M	3.5M	4M	4.5M	5M	.....	99.9M

Packaging:



Ordering Information

FCQM12 – X XX XXX 1 0 – 000
(1) (2) (3) (4) (5) (6) (7)

1 Series Name: FCQM12

2 Coded: A-A CODED; B-B CODED; D-D CODED

3 Circuits: 02-2Circuits; 03-3Circuits; 04-4Circuits; 05-5Circuits; 06-6Circuits; 07-7Circuits; ⋮ ; 12-12Circuits

4 LENGTH: XXX(See Table1)

5 Shielded: 1-shield

6 Entry Angle: 0-N/A

7 Serial Number: 000-Standard Parts

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. FCQM12-XXXXXX10-000 / ITEM NO. FCQM12
	X. ±0.30	X.° ±5°	LEO	18/Nov/24	
DESIGN UNITS METRIC	X.X ±0.20	X.X° ±2°	CHECKED BY GISELLE	DATE 18/Nov/24	TITLE: M12 cable connector, male straight end, shielded, IP68, PUR, codes A/B/D
	X.XX ±0.15	X.XX° ±1°			
SCALE 2:1 / SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°	DRAWN BY King	DATE 18/Nov/24	REV 1 / SHEET NO. 1/2

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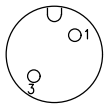
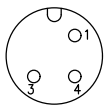
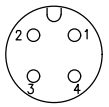
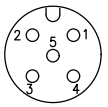
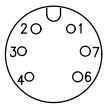
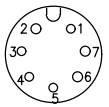
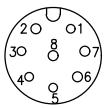
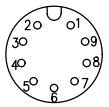
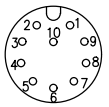
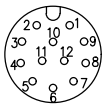
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
REV 1		11/12 cores, modify the core wire	18/Nov/24	King	LEO

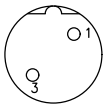
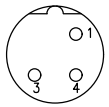
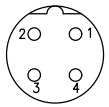
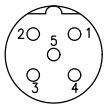
(P1) A-Coded Male Front View

2Pin		3Pin		4Pin		5Pin	
							
Shell–Shield		Shell–Shield		Shell–Shield		Shell–Shield	
						5	gray
		4	black	4	black	4	black
3	blue	3	blue	3	blue	3	blue
				2	white	2	white
1	brown	1	brown	1	brown	1	brown
pin	wire color	pin	wire color	pin	wire color	pin	wire color

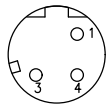
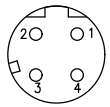
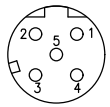
6Pin		7Pin		8Pin	
					
Shell–Shield		Shell–Shield		Shell–Shield	
				8	red
7	blue	7	blue	7	blue
6	pink	6	pink	6	pink
5		5	gray	5	gray
4	yellow	4	yellow	4	yellow
3	green	3	green	3	green
2	brown	2	brown	2	brown
1	white	1	white	1	white
pin	wire color	pin	wire color	pin	wire color

9Pin		10Pin		11Pin		12Pin	
							
Shell–Shield		Shell–Shield		Shell–Shield		Shell–Shield	
						12	cyan
				11	orange	11	orange
		10	purple	10	purple	10	purple
9	red	9	red	9	red	9	red
8	gray	8	gray	8	gray	8	gray
7	black	7	black	7	black	7	black
6	yellow	6	yellow	6	yellow	6	yellow
5	pink	5	pink	5	pink	5	pink
4	green	4	green	4	green	4	green
3	white	3	white	3	white	3	white
2	blue	2	blue	2	blue	2	blue
1	brown	1	brown	1	brown	1	brown
pin	wire color	pin	wire color	pin	wire color	pin	wire color

(P1) B-Coded Male Front View

2Pin		3Pin		4Pin		5Pin	
							
Shell–Shield		Shell–Shield		Shell–Shield		Shell–Shield	
						5	gray
		4	black	4	black	4	black
3	blue	3	blue	3	blue	3	blue
				2	white	2	white
1	brown	1	brown	1	brown	1	brown
pin	wire color	pin	wire color	pin	wire color	pin	wire color

(P1) D-Coded Male Front View

3Pin		4Pin		5Pin	
					
Shell–Shield		Shell–Shield		Shell–Shield	
				5	gray
4	black	4	black	4	black
3	blue	3	blue	3	blue
		2	white	2	white
1	brown	1	brown	1	brown
pin	wire color	pin	wire color	pin	wire color

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. FCQM12–XXXXXX10–000 / ITEM NO. FCQM12
	X. ±0.30	X.° ±5°	LEO	18/Nov/24	
DESIGN UNITS METRIC	X.X ±0.20	X.X° ±2°	CHECKED BY GISELLE	DATE 18/Nov/24	TITLE: M12 cable connector, male straight end, unshielded, IP68, PUR, codes A/B/D
	X.XX ±0.15	X.XX° ±1°	DRAWN BY King	DATE 18/Nov/24	
SCALE 2:1 / SIZE A4	X.XXX ±0.10	X.XXX° ±0.5°			REV 1 / SHEET NO. 2/2

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