

	1	2	3	4	5	6	7	8	9	10	11	12
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

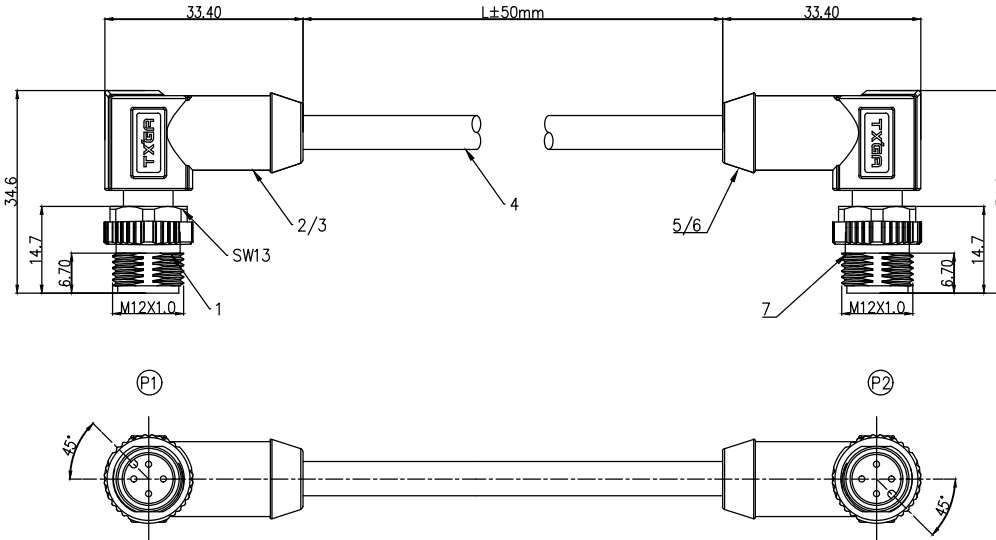


TABLE 1

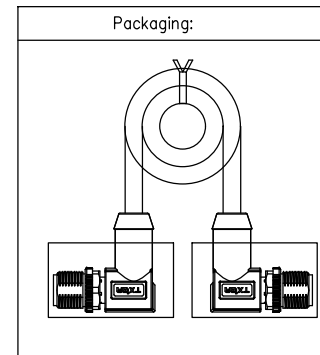
CABLE LENGTH (XXX)	005	010	015	020	025	030	035	040	045	050	.....	999
L(M)	0.5M	1M	1.5M	2M	2.5M	3M	3.5M	4M	4.5M	5M	.....	99.9M

Ordering Information

FCWM12 -  $\frac{X}{2}$   $\frac{XX}{3}$   $\frac{XXX}{4}$   $\frac{0}{5}$   $\frac{1}{6}$  -  $\frac{000}{7}$

1 Series Name - FCWM12  
 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 - 0-Without shield  
 6 Entry Angle - 1-45°  
 7 Serial Number - 000-Standard Parts



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	4.0
	250V	2500V	4A	0.34mm²/22	4.5
	250V	2500V	4A	0.34mm²/22	5.0
	60V(UL125V)	1500V	4A(UL3A)	0.34mm²/22	5.5
	30V(UL60V)	800V	2.0A	0.25mm²/24	5.0
	30V(UL60V)	800V	2.0A	0.25mm²/24	5.0
	30V(UL60V)	800V	2.0A	0.25mm²/24	5.5
	30V	800V	1.5A	0.14mm²/26	5.5
	30V	800V	1.5A	0.14mm²/26	5.5
	30V	800V	1.5A	0.14mm²/26	6.0
	30V	800V	1.5A	0.14mm²/26	6.0

- 7 M12X1.0 male plug unshielded
- 6 PVC black adhesive outer mold: 30P
- 5 PVC black adhesive inner mold: 30P
- 4 UL20549 PUR black cable
- 3 PVC black adhesive outer mold: 30P
- 2 PVC black adhesive inner mold: 30P
- 1 M12X1.0 male plug unshielded

 THIRD ANGLE PROJECTION DESIGN UNITS METRIC SCALE 2:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 18/Nov/24	PART NO. FCWM12-XXXXXX01-000	ITEM NO. FCWM12	 Building Technology Cornerstone REV 1 SHEET NO. 1/3
	X. ±0.30	X.* ±5°	CHECKED BY GISELLE	DATE 18/Nov/24	TITLE M12 cable connector, double ended male Right angle, unshielded, IP68, angle 45°, PUR, codes A/B/D		
	X.X ±0.20	X.X* ±2°	DRAWN BY King	DATE 18/Nov/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	X.XX ±0.15	X.XX* ±1°					
	X.XXX ±0.10	X.XXX* ±0.5°					

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

(P1) D-Coded Male Front View

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

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X. ±0.30	X.* ±5°	LEO	18/Nov/24	FCWM12-XXXXXX01-000	FCWM12	
	X.X ±0.20	X.X* ±2°	CHECKED BY	DATE	TITLE		
	X.XX ±0.15	X.XX* ±1°	GISELLE	18/Nov/24	M12 cable connector, double ended male Right angle, unshielded, IP68, angle 45°, PUR, codes A/B/D		
SCALE	SIZE	X.XXX ±0.10	X.XXX* ±0.5°	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
2:1	A4			King	18/Nov/24	REV 1	SHEET NO. 2/3

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

Ⓟ A-Coded Male Front View

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

Ⓟ B-Coded Male Front View

Ⓟ D-Coded Male Front View

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

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X. ±0.30	X.* ±5°	CHECKED BY	DATE	FCWM12-XXXXXX01-000	FCWM12	
	X.X ±0.20	X.X* ±2°	GISELLE	18/Nov/24	TITLE		
	X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE	M12 cable connector, double ended male Right angle, unshielded, IP68, angle 45°, PUR, codes A/B/D	REV 1	
SCALE	SIZE	X.XXX ±0.10	X.XXX* ±0.5°	King	18/Nov/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	