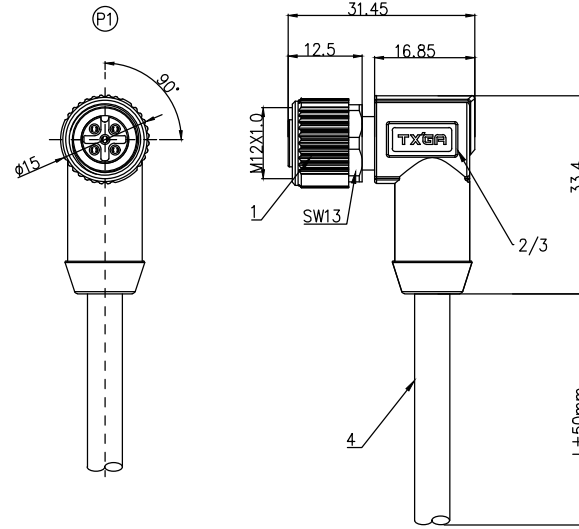


| | | | | | | | | | | | | | |
|---|---------|------|------|------|------|------|------|------|------|-------|-------|-------|--|
| | 1 | 2 | | | | 3 | | | | 4 | | | |
| | Coded | 2Pin | 3Pin | 4Pin | 5Pin | 6Pin | 7Pin | 8Pin | 9Pin | 10Pin | 11Pin | 12Pin | |
| A | A-Coded | | | | | | | | | | | | |
| | 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

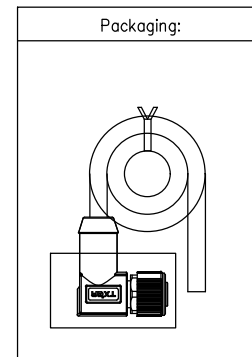
| CABLE LENGTH (XXX) | 005 | 010 | 015 | 020 | 025 | 030 | 035 | 040 | 045 | 050 | | 999 |
|--------------------|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-------|
| L(M) | 0.5M | 1M | 1.5M | 2M | 2.5M | 3M | 3.5M | 4M | 4.5M | 5M | | 99.9M |

Ordering Information

FCRM12 - $\frac{X}{2}$ $\frac{XX}{3}$ $\frac{XXX}{4}$ $\frac{0}{5}$ $\frac{2}{6}$ - $\frac{XX}{7}$

1 Series Name - 2 Coded - 3 Circuits - 4 LENGTH
 FCRM12 - A-A CODED - 02-2Circuits - XXX(See Table1)
 B-B CODED - 03-3Circuits
 D-D CODED - 04-4Circuits
 05-5Circuits
 06-6Circuits
 07-7Circuits
 12-12Circuits

5 Shielded - 6 Entry Angle - 7 Serial Number
 0-Without shield - 2-90° - 000-Standard Parts



| Pin Assignments Front View | Rated Voltage | Rated impulse Voltage | Rated Currnt(40°C) | Wire Size(mm ²) AWG | O.D(mm) |
|----------------------------|---------------|-----------------------|--------------------|---------------------------------|---------|
| | 250V | 2500V | 4A | 0.34mm ² /22 | 4.0 |
| | 250V | 2500V | 4A | 0.34mm ² /22 | 4.5 |
| | 250V | 2500V | 4A | 0.34mm ² /22 | 5.0 |
| | 60V(UL125V) | 1500V | 4A(UL3A) | 0.34mm ² /22 | 5.5 |
| | 30V(UL60V) | 800V | 2.0A | 0.25mm ² /24 | 5.0 |
| | 30V(UL60V) | 800V | 2.0A | 0.25mm ² /24 | 5.5 |
| | 30V(UL60V) | 800V | 2.0A | 0.25mm ² /24 | 5.5 |
| | 30V | 800V | 1.5A | 0.14mm ² /26 | 5.5 |
| | 30V | 800V | 1.5A | 0.14mm ² /26 | 5.5 |
| | 30V | 800V | 1.5A | 0.14mm ² /26 | 6.0 |
| | 30V | 800V | 1.5A | 0.14mm ² /26 | 6.0 |

| | |
|---|------------------------------------|
| 4 | UL20549 PUR black cable |
| 3 | PVC black adhesive outer mold: 30P |
| 2 | PVC black adhesive inner mold: 30P |
| 1 | M12X1.0 female plug unshielded |

| | | | | | | | | |
|------------------------|---------------------------------------|--------------|------------|-----------|---------------------|----------|--|---------------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY | DATE | PART NO. | ITEM NO. | TITLE | Building Technology Cornerstone |
| | X. ±0.30 | X.* ±5° | LEO | 18/Nov/24 | | | | |
| DESIGN UNITS METRIC | X.X ±0.20 | X.X* ±2° | CHECKED BY | DATE | FCRM12-XXXXXX02-000 | FCRM12 | M12 cable connector, female end Right angle, unshielded, IP68, angle 90°, PUR, codes A/B/D | REV 1 |
| SCALE 2:1 | X.XX ±0.15 | X.XX* ±1° | DRAWN BY | DATE | King | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SHEET NO. 1/2 |
| SIZE A4 | 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 Female 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 | | 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 Female Front View

(P1) D-Coded Female 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 | FCRM12-XXXXXX02-000 | FCRM12 | |
| | DESIGN UNITS METRIC | | CHECKED BY | DATE | TITLE | | |
| | X.X ±0.20 | X.X' ±2° | GISELLE | 18/Nov/24 | M12 cable connector, female end Right angle, unshielded, IP68, angle 90°, PUR, codes A/B/D | | |
| SCALE 2:1 | SIZE A4 | X.XX ±0.15 | X.XX' ±1° | 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 | |
| | | X.XXX ±0.10 | X.XXX' ±0.5° | King | 18/Nov/24 | REV 1 | SHEET NO. 2/2 |