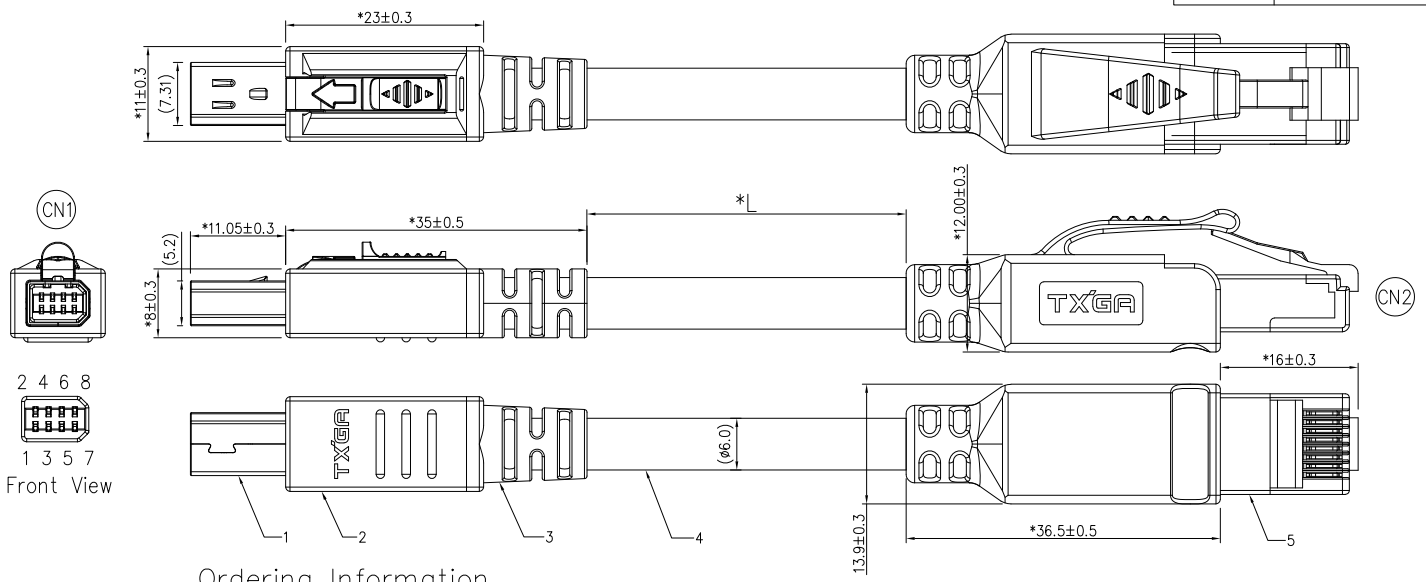
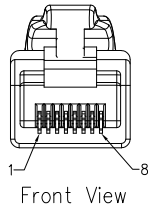
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|---|---|---|---|---|---|
| 0 | | New Relase | 21/Aug/25 | LAM | FRANK |




Note:
1. * important Dimension
2. This product must meet IEC 61076-3-122
3. This product must meet 2011/65/EU ROHS compliance.
4. Not note tolerances: 0.20
5. Rated voltage: 60V, Rated current 0.5A
6. Temperature range:
   for continuous flexing: -25°C~+80°C
   for stationary use: -25°C~+80°C
7. Data rate: 1000Mbit/S
8. Wire Size(mm2)/AWG: 0.14mm²/26AWG
9. Flame test: VW-1




## Ordering Information

FCMNT (1) 20 (2) 01 (3) – 08 (4) S (5) 03 (6) XXXXX (7) 00

1 Series Name: FCMNT
2 Cable category: 20-D shape to RJ45
3 Distinction num: 01
4 Circuits: 08-8 Circuits
5 Shielded: S-Shielded
6 Data Rate: 03-1000Mbps
7 Cable length: XXXXX-(See table1)

TABLE 1

| CABLE LENGTH (XXX) L(M) | 00500 | 01000 | 01500 | 02000 | 02500 | 03000 |
|---|---|---|---|---|---|---|
| | 0.5M | 1M | 1.5M | 2M | 2.5M | 3M |
| | 03500 | 04000 | 04500 | 05000 | ..... | 99900 |
| | 3.5M | 4M | 4.5M | 5M | ..... | 99.9M |

| WIRING CHART | | |
|---|---|---|
| CN1 | CN2 | Colour |
| 1 | 1 | WH/OG |
| 2 | 2 | OG |
| 3 | 3 | WH/GN |
| 4 | 4 | BU |
| 5 | 5 | WH/BU |
| 6 | 6 | GN |
| 7 | 7 | WH/BN |
| 8 | 8 | BN |
| shell | shell | Braid |



| Dimensions (mm)(See Table1) | | | | |
|---|---|---|---|---|
| Length "A" | 200 to 500 | 501 to 1000 | 1001 to 5000 | 5001 to 20000 |
| Tolerance (mm) | ±15 | ±30 | ±50 | ±100 |

* Note: All Materials Meet The "RoHs" !

| NO. | SPECIFICATION | DESCRIPTION | NOTE |
|---|---|---|---|
| 5 | RJ45 Connector | MP28-701K | 1PC |
| 4 | Cable | CAT5E SF/UTP jacket PVC OD6.0 | Black |
| 3 | Overmold | PVC 30P Black | Black |
| 2 | Body | MINI IO D Body black | 1PC |
| 1 | Mini IO Connector | MINI IO D Shape | 1PC |

| ELECTRICAL |
|---|
| 1. SHORT-CIRCUIT AND CONTINUITY TEST AT: DC 300V/0.1S |
| 2. Conduction Impedance: 2Ω (Max) |
| 3. Insulation Resistance: 10MΩ(Min) |
| PACKING SPECIFICATION |
| 1.1pcs/Bundle,1PCS/Bag |
| 2. "*"as the key size control |
| NOTES |
| 1.This product must meet UL486A-1991mehanical performance |
| 2.This product must meet 2011/65/EU ROHS compliance |

THIRD ANGLE PROJECTION
DESIGN UNITS: Metric
SCALE: N.T
SIZE: A4

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| X.±0.30 | X.°±5° |
| X.X±0.20 | .X°±2° |
| X.XX±0.15 | .XX°±1° |
| X.XXX±0.10 | .XXX°±0.5° |

| | | |
|---|---|---|
| DRAWN BY | LAM | DATE 21/Aug/25 |
| CHECKED BY | CHERRY | DATE 21/Aug/25 |
| APPROVE BY | FRANK | DATE 21/Aug/25 |

PART NO. FCMNT2001-08S03XXXXX00
ITEM NO. FCMNT2001
TITLE: MINI IO D shape to RJ45,Cable with shield
REV 0
SHEET NO. 1/1

TXGA Building Technology Cornerstone

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