

**SERIES:** CDM1259 | **DESCRIPTION:** M12 CABLE**FEATURES**

- M12 molded female cable connector
- D code
- straight
- IP67
- 0.5, 1, 2, 3, & 5 meter length options

**SPECIFICATIONS**

| parameter                  | conditions/description                       | min | typ   | max | units  |
|----------------------------|----------------------------------------------|-----|-------|-----|--------|
| rated voltage              |                                              |     |       | 60  | V      |
| rated current              |                                              |     |       | 1.5 | A      |
| withstanding voltage       | for 1 minute                                 |     | 1,500 |     | Vac    |
| contact resistance         |                                              |     |       | 10  | mΩ     |
| insulation resistance      | at 500 Vdc for 1 minute                      | 100 |       |     | MΩ     |
| insertion/withdrawal force |                                              | 0.3 |       | 3.0 | kgf    |
| operating temperature      |                                              | -25 |       | 80  | °C     |
| life                       |                                              | 100 |       |     | cycles |
| safety approvals           | compliant with IEC61076-2-101                |     |       |     |        |
| flammability rating        | see material table                           |     |       |     |        |
| RoHS                       | yes                                          |     |       |     |        |
| IP level                   | M12: IP67 (in mated condition)<br>RJ45: IP20 |     |       |     |        |

**PART NUMBER KEY**

**CDM1259 - 04D - 01FST - XXX - RJ45 - 67**

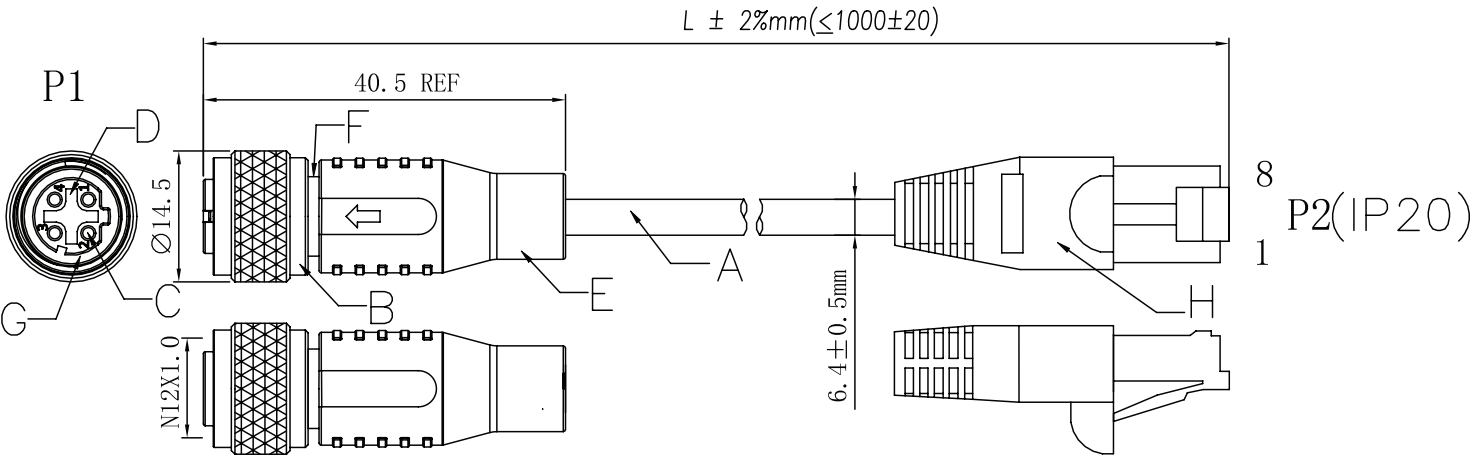
Base Number

Cable Length:  
05M = 0.5 m  
1M = 1 m  
2M = 2 m  
3M = 3 m  
5M = 5 m

MECHANICAL DRAWING

units: mm  
tolerance:  
0.5<X≤6.0: ±0.1 mm  
6.0<X≤30.0: ±0.2 mm  
unless otherwise noted

| ITEM | DESCRIPTION       | MATERIAL                                   | PLATING/COLOR |
|------|-------------------|--------------------------------------------|---------------|
| A    | cable             | CAT5 (100 Mbps), UL2464, 26 AWG PVC jacket |               |
| B    | M12x1.0 screw     | brass                                      | nickel        |
| C    | terminals; female | brass                                      | gold          |
| D    | housing; female   | PA66 (UL94V-0)                             | black         |
| E    | overmold          | UL20549 PUR                                | black         |
| F    | shield pipe       | brass                                      | nickel        |
| G    | o-ring            | FKM                                        | green         |
| H    | connector         | RJ45 8PIN, shield shell                    | black         |



| No. of Poles | 4                                                                                                                                                                                                                                                                                                                                                                                                |           |        |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-----------|--|---|--------|--|---|---|--------|--|---|---|-------|--|---|---|------|--|---|--------|-------|--|--------|
| D-Coding     |                                                                                                                                                                                                                                                                                                               |           |        |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| Cable        | 26 AWG twisted pair X 2C + AL + Braid<br>OD: Ø6.4 mm                                                                                                                                                                                                                                                                                                                                             |           |        |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| Wiring       | <table><thead><tr><th colspan="2">P1 (M12)</th><th colspan="2">P2 (RJ45)</th></tr></thead><tbody><tr><td>1</td><td>Yellow</td><td></td><td>1</td></tr><tr><td>3</td><td>Orange</td><td></td><td>2</td></tr><tr><td>2</td><td>White</td><td></td><td>3</td></tr><tr><td>4</td><td>Blue</td><td></td><td>6</td></tr><tr><td>Shield</td><td>Braid</td><td></td><td>Shield</td></tr></tbody></table> | P1 (M12)  |        | P2 (RJ45) |  | 1 | Yellow |  | 1 | 3 | Orange |  | 2 | 2 | White |  | 3 | 4 | Blue |  | 6 | Shield | Braid |  | Shield |
| P1 (M12)     |                                                                                                                                                                                                                                                                                                                                                                                                  | P2 (RJ45) |        |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| 1            | Yellow                                                                                                                                                                                                                                                                                                                                                                                           |           | 1      |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| 3            | Orange                                                                                                                                                                                                                                                                                                                                                                                           |           | 2      |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| 2            | White                                                                                                                                                                                                                                                                                                                                                                                            |           | 3      |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| 4            | Blue                                                                                                                                                                                                                                                                                                                                                                                             |           | 6      |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |
| Shield       | Braid                                                                                                                                                                                                                                                                                                                                                                                            |           | Shield |           |  |   |        |  |   |   |        |  |   |   |       |  |   |   |      |  |   |        |       |  |        |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 05/10/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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