



## SERIES: CDM1258 | DESCRIPTION: M12 CABLE

### FEATURES

- M12 molded male 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

**CDM1258 - 04D - 01MST - XXX - RJ45 - 67**

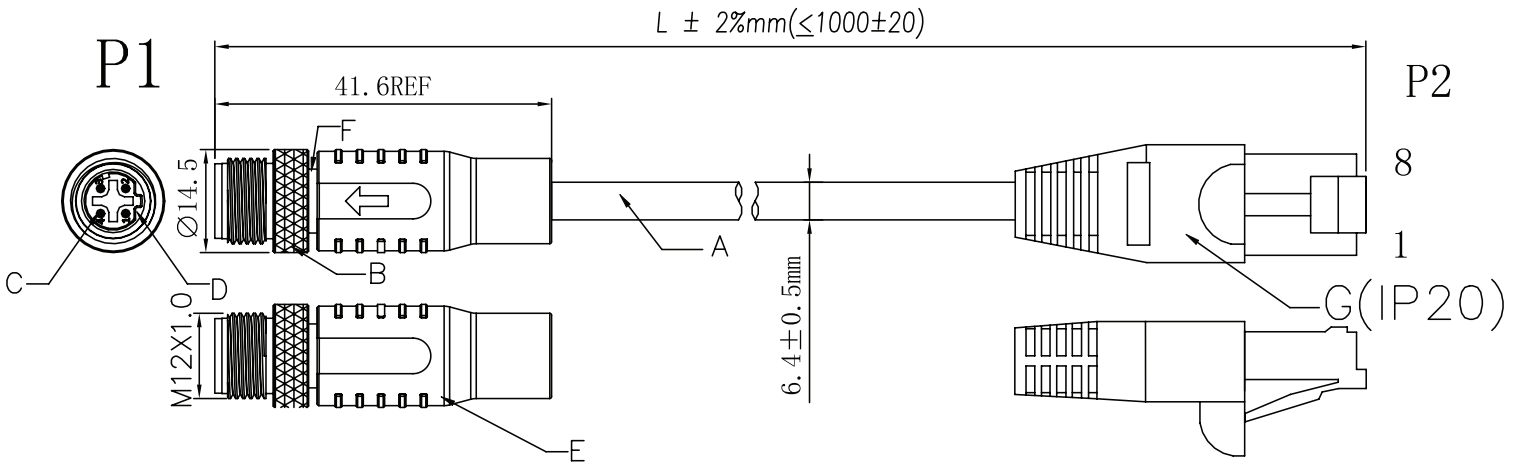
Base Number

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; male | brass                                      | gold          |
| D    | housing; male   | PA66 (UL94V-0)                             | black         |
| E    | overmold        | UL20549 PUR                                | black         |
| F    | shield pipe     | brass                                      | nickel        |
| G    | 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 border="0" style="width: 100%; text-align: center;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 30%;">P1 (M12)</th> <th style="width: 30%;"></th> <th style="width: 20%;">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                   | 05/15/2024 |
| 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.



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