

**SERIES:** CDM1228 | **DESCRIPTION:** M12 CABLE**FEATURES**

- M12 molded male cable connector
- A code
- straight
- IP67
- 1, 2, & 3 meter length options

**SPECIFICATIONS**

| parameter                  | conditions/description        | min | typ   | max | units  |
|----------------------------|-------------------------------|-----|-------|-----|--------|
| rated voltage              | 3 & 4 pole models             |     |       | 250 | V      |
|                            | 5 pole model                  |     |       | 60  | V      |
|                            | 8 & 12 pole models            |     |       | 30  | V      |
| rated current              | 3, 4, & 5 pole models         |     |       | 4   | A      |
|                            | 8 pole model                  |     |       | 2   | A      |
|                            | 12 pole model                 |     |       | 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                   | IP67 (in mated condition)     |     |       |     |        |

**PART NUMBER KEY****CDM1228 - XX A - 01MST - XX - 67**

Base Number

No. of Poles (A-Coding):

03 = 3  
04 = 4  
05 = 5  
08 = 8  
12 = 12

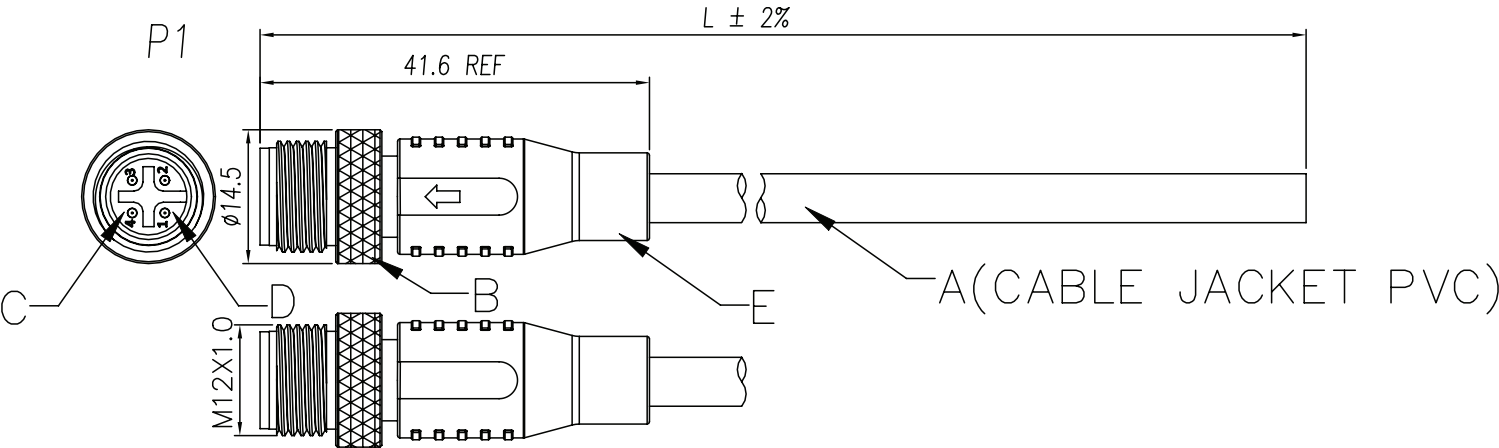
Cable Length:

1M = 1 m  
2M = 2 m  
3M = 3 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           | UL 2464 PVC    | black         |
| B    | M12x1.0 nut     | brass          | nickel        |
| C    | terminals; male | brass          | gold          |
| D    | housing; male   | PA66 [UL94V-0] | black         |
| E    | overmold        | TPU [UL94HB]   | black         |



| No. of Poles |       | 3                                       | 4                                       | 5                                       | 8                                       | 12                                       |
|--------------|-------|---|---|---|---|--|
| A-Coding     |       |   |   |   |   |  |
| Pin#         | Cable | 22 AWG X 3C<br>OD: $\varnothing 4.5$ mm | 22 AWG X 4C<br>OD: $\varnothing 5.0$ mm | 22 AWG X 5C<br>OD: $\varnothing 5.5$ mm | 24 AWG X 8C<br>OD: $\varnothing 5.5$ mm | 26 AWG X 12C<br>OD: $\varnothing 6.2$ mm |
| 1            |       | brown                                   | brown                                   | brown                                   | white                                   | brown                                    |
| 2            |       | ---                                     | white                                   | white                                   | brown                                   | blue                                     |
| 3            |       | blue                                    | blue                                    | blue                                    | green                                   | white                                    |
| 4            |       | black                                   | black                                   | black                                   | yellow                                  | green                                    |
| 5            |       | ---                                     | ---                                     | gray                                    | gray                                    | pink                                     |
| 6            |       | ---                                     | ---                                     | ---                                     | pink                                    | yellow                                   |
| 7            |       | ---                                     | ---                                     | ---                                     | blue                                    | black                                    |
| 8            |       | ---                                     | ---                                     | ---                                     | red                                     | gray                                     |
| 9            |       | ---                                     | ---                                     | ---                                     | ---                                     | red                                      |
| 10           |       | ---                                     | ---                                     | ---                                     | ---                                     | violet                                   |
| 11           |       | ---                                     | ---                                     | ---                                     | ---                                     | gray/pink                                |
| 12           |       | ---                                     | ---                                     | ---                                     | ---                                     | red/blue                                 |

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 04/11/2022 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | updated datasheet                 | 04/21/2023 |
| 1.03 | 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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