# SERIES: CDM817 | DESCRIPTION: M8 CABLE

## FEATURES

- M8 molded male cable connector
- A & B code versions
- right-angled
- IP67
- 1, 2, & 3 meter length options

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | 3 & 4 pole models<br>5, 6, & 8 pole models | | | 60<br>30 | V<br>V |
| rated current | 3, 4, & 5 pole models<br>6 & 8 pole models | | | 3<br>1.5 | A<br>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 | | 1.5 | kgf |
| operating temperature | | -25 | | 80 | °C |
| life | | 100 | | | cycles |
| safety approvals | compliant with IEC61076-2-104 | | | | |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |
| IP level | IP67 (in mated condition) | | | | |

## PART NUMBER KEY

CDM817 - XXX - 01MRA - XX - 67

Base Number

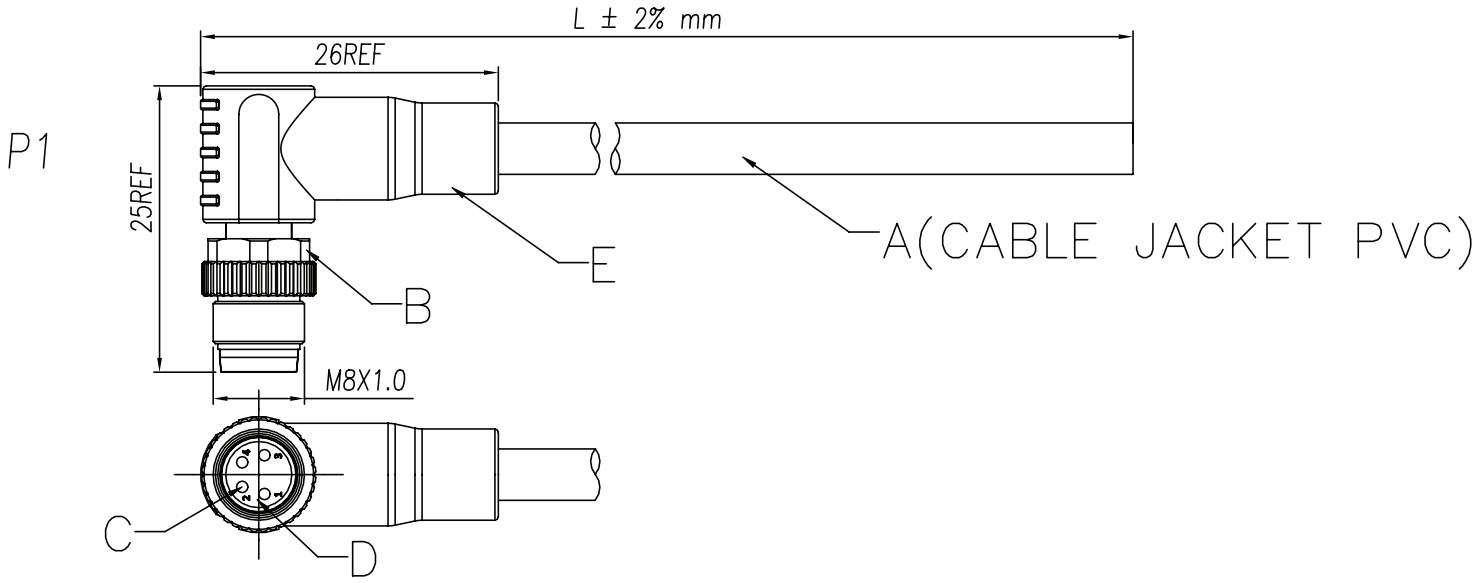
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

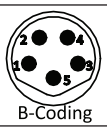
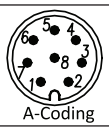
Cable Length:
1M = 1 m
2M = 2 m
3M = 3 m

## 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<br>PVC (UL94V-0) | black |
| B | M8x1.0 screw | brass | nickel |
| C | terminals; male | brass | gold |
| D | housing; male | PA66 (UL94V-0) | black |
| E | overmold | TPU (UL94V-0) | black |




| No. of Poles | | 3 | 4 | 5 | 6 | 8 |
|---|---|---|---|---|---|---|
| Coding | | A-Coding | A-Coding |  B-Coding | A-Coding |  A-Coding |
| Pin# | Cable | 24 AWG X 3C<br>OD: Ø4.0 mm | 24 AWG X 4C<br>OD: Ø4.5 mm | 24 AWG X 5C<br>OD: Ø4.8 mm | 26 AWG X 6C<br>OD: Ø4.8 mm | 26 AWG X 8C<br>OD: Ø5.3 mm |
| 1 | | brown | brown | brown | brown | white |
| 2 | | --- | white | white | white | brown |
| 3 | | blue | blue | blue | blue | green |
| 4 | | black | black | black | black | yellow |
| 5 | | --- | --- | gray | gray | gray |
| 6 | | --- | --- | --- | pink | pink |
| 7 | | --- | --- | --- | | blue |
| 8 | | --- | --- | --- | | red |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 07/19/2022 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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

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