

SERIES: CDM1276 | **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) RJ45: IP20 | | | | |

PART NUMBER KEY

CDM1276 - 04D - 01FST - XXX - RJ45 - 67

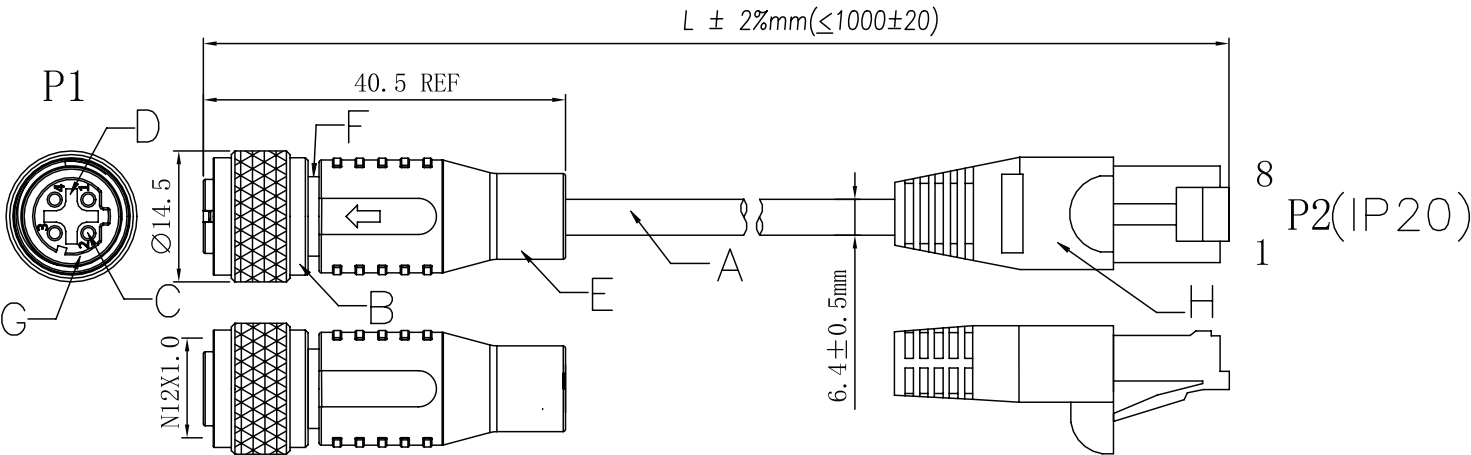
Base Number


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), UL20549, 26 AWG PUR 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 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 | 05/09/2024 |

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



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