



3-Pin COB Strip Connector, 12mm  
IP20, 22AWG PVC Wire, DC 3V-24V /  
3.5A

- 3-pin design for 12mm COB LED strip termination
- IP20 rated for non-waterproof, dry indoor use
- 150mm lead wire in 22AWG PVC-jacketed red-white-yellow
- DC operating range of 3V-24V, up to 3.5A current draw
- UL certified, file number E536464
- Sold in bags of 5 pcs

OVERVIEW

The M-Z-CON3D-12mm is a 3-pin solderless connector designed for 12mm COB LED strip lights rated IP20. It provides a tool-free termination point between COB strip and power supply leads, suited for dry indoor installations in commercial and residential lighting builds.

The connector accommodates a DC operating range of 3V-24V and is rated for a maximum continuous current of 3.5A. Each connector ships with 150mm of 22AWG PVC-jacketed wire in a red, white, and yellow configuration. Sold in bags of 5 pcs.

The connector carries UL certification (file number E536464) and a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

MECHANICAL

Strip Width 12 mm  
0.47 in

Material PVC

COMPLIANCE

UL File Number E536464

ELECTRICAL

Operating Voltage 5-24 V

Current Draw 3.5 A

Wire Gauge 22 AWG

Wire Length 5.9 in

ENVIRONMENTAL

IP Rating IP20

Environmental Rating Non-Waterproof

ORDERING

Warranty 1 y

CERTIFICATIONS & COMPLIANCE



UL Listed  
E536464

APPLICATIONS

- Indoor commercial LED strip installations
- Residential accent and cove lighting
- Cabinet and shelf lighting hookups
- Retail display lighting connections
- Strip-to-power supply terminations

PROVENANCE — REVIEW COPY ONLY

| slug                 | value          | source | confidence |
|----------------------|----------------|--------|------------|
| led_lifetime_h       | 50,000 h       | db     | high       |
| operating_voltage    | 5–24 V         | db     | high       |
| current_draw         | 3.5 A          | db     | high       |
| wire_gauge           | 22 AWG         | pdf    | high       |
| wire_length          | 5.9 in         | pdf    | medium     |
| strip_width          | 12 mm          | pdf    | high       |
| material             | PVC            | pdf    | medium     |
| ip_rating            | IP20           | db     | high       |
| environmental_rating | Non-Waterproof | db     | high       |
| ul_file_number       | E536464        | db     | high       |
| warranty_years       | 1 y            | db     | high       |

Specifications subject to change without notice.

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