



DC Barrel Connector Coupler, 5.5x2.1mm  
Female to Female, 24 V, 3 A Rated

- DC 5.5 × 2.1 mm female-to-female barrel coupler
- Rated for DC input up to 24 V
- Carries up to 3 A of continuous current
- Compact 37.7 mm long by 11.7 mm diameter body
- Joins or extends DC power runs without added adapters
- Backed by a 1-year warranty

OVERVIEW

The E-DC-J-J5.5 is a DC 5.5×2.1mm female-to-female barrel connector coupler designed to join two DC power cables or extend existing runs without the need for additional adapters. It is suited for professional installations where a reliable inline connection between two female DC 5.5×2.1mm ports is required.

The coupler accepts DC input up to 24 V and carries up to 3 A, maintaining signal integrity and minimizing loss across the connection point. The body measures 37.7 mm long by 11.7 mm in diameter, a compact form factor intended to withstand repeated installation and removal cycles.

Covered by a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage 24 V

Current Draw 3 A

Input Connection Type DC 5.5 × 2.1 mm female to DC 5.5 × 2.1 mm female

MECHANICAL

Product Dimensions 5.5 \* 2.1mm

ORDERING

Warranty 1 y

APPLICATIONS

- LED lighting power run extensions
- 12 V CCTV and monitoring systems
- Low-voltage sign and display wiring
- Computer and desktop equipment power leads
- Service bench and field repair connections

PROVENANCE — REVIEW COPY ONLY

| slug                  | value                                            | source | confidence |
|-----------------------|--------------------------------------------------|--------|------------|
| led_lifetime_h        | 50,000 h                                         | db     | high       |
| operating_voltage     | 24 V                                             | pdf    | high       |
| current_draw          | 3 A                                              | pdf    | high       |
| input_connection_type | DC 5.5 × 2.1 mm female to DC 5.5 × 2.1 mm female | pdf    | high       |
| product_dimensions    | 5.5 * 2.1mm                                      | pdf    | high       |
| warranty_years        | 1 y                                              | db     | high       |

Specifications subject to change without notice.