



Flat 4 - Conductor Electrical Wire, 20 AWG Tinned Copper, UL2468, 300 V, 500 ft Reel

- 20 AWG conductors, each 21 strands of 0.16 mm tinned copper
- Rated 300 V at an 80 degrees C conductor temperature
- Conductor resistance of 50 ohms per km at 20 degrees C
- PVC insulation dielectric tested at 2000 V AC for one minute
- RoHS-compliant insulation compound
- Supplied on a 500 ft (152.5 m) reel to limit tangling

OVERVIEW

The CA4-20-500 is a 20 AWG, 4-conductor flat cable built to the UL2468 style for electrical wiring applications requiring reliable multi-conductor connections. Its flat profile suits installations where routing space is limited or organized cable management is a priority.

Each conductor consists of 21 strands of 0.16 mm tinned copper, rated 300 V at 80 degrees C with a conductor resistance of 50 ohms per km at 20 degrees C. PVC insulation is dielectric tested at 2000 V AC for one minute. The stranded construction reduces stiffness, making termination and routing more manageable in the field, and the cable ships on a 500 ft (152.5 m) reel. Insulation materials meet RoHS. Backed by a one-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime50,000 h

MECHANICAL

Product Dimensions1.8 mm x 3.6 mm nominal flat profile

Length152.5 m500.3 ft

MaterialTinned stranded copper conductor, PVC insulation

ORDERING

Warranty1 y

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

ELECTRICAL

Operating Voltage300 V

Wire Gauge20 AWG

ENVIRONMENTAL

Environmental RatingRoHS

Ambient Operating Temperature80 °C176 °F

APPLICATIONS

- Control panel and enclosure wiring
- Equipment interconnect harnesses
- Signage and display wiring runs
- Low-voltage device and sensor connections
- OEM assembly production runs

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	300 V	pdf	high
wire_gauge	20 AWG	pdf	high
product_dimensions	1.8 mm x 3.6 mm nominal flat profile	pdf	medium
length	152.5 m	pdf	high
material	Tinned stranded copper conductor, PVC insulation	pdf	high
environmental_rating	RoHS	pdf	high
ambient_temp_c	80 °C	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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