



RGBW Cable, 20 AWG 5-Conductor,
UL2468 PVC, 300 V, 500 ft Roll

- 21/0.178 mm tinned stranded copper conductor in 20 AWG
- PVC insulation with 0.38 mm nominal wall thickness
- 300 V rated voltage and 80 C rated conductor temperature
- Conductor resistance of 36.7 ohm/km at 20 C
- 2000 VAC per minute dielectric withstand test
- Supplied on 500 ft (152.5 m) rolls with color-coded conductors

OVERVIEW

A 5-conductor RGBW cable for indoor RGB lighting runs, carrying red, green and blue signal conductors plus positive and negative. Supplied on 500 ft (152.5 m) rolls in #20 AWG, it suits residential and commercial low-voltage lighting installations, with color-coded conductors to simplify termination.

Construction follows the UL2468 flat parallel style: 21/0.178 mm tinned stranded copper conductors with PVC insulation at 0.38 mm nominal wall thickness. Rated at 300 V and 80 C conductor temperature, with conductor resistance of 36.7 ohm/km at 20 C and a 2000 VAC per minute dielectric withstand test.

Insulation materials are RoHS compliant. Covered by a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

MECHANICAL

Product Dimensions 1.8 mm x 3.6 mm finished cross section

Length 152.5 m 500.3 ft

Material Tinned stranded copper conductor, PVC insulation

ORDERING

Warranty 1 y

ELECTRICAL

Operating Voltage 300 V

Wire Gauge 20 AWG

ENVIRONMENTAL

Environmental Rating RoHS

Ambient Operating Temperature 80 °C 176 °F

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

APPLICATIONS

- Indoor RGB and RGBW strip lighting runs
- Cove and architectural lighting circuits
- Retail display and signage lighting
- Commercial tenant fit-out low-voltage wiring
- Residential accent lighting installations

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 finished cross section	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	medium
warranty_years	1 y	db	high

Specifications subject to change without notice.

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