



RGBW LED Cable, 20 AWG 5 -
Conductor Tinned Copper, UL2468,
300 V, 100 ft Roll

- 20 AWG tinned stranded copper, 21 strands of 0.178 mm
- 300 V rating at 80 degrees C conductor temperature
- PVC insulation at 0.38 mm nominal wall thickness
- Conductor resistance of 36.7 ohms/km at 20 degrees C
- 2000 VAC per minute dielectric withstand test
- RoHS compliant construction referencing UL758-2017

OVERVIEW

The CA5-20-100 is a 5-conductor, 20 AWG RGBW cable sold in 100 ft (30.5 m) rolls, designed for indoor LED strip installations, stage lighting setups, and architectural lighting systems. The conductor configuration includes individual RGB lines plus positive and negative runs, accommodating standard RGBW control wiring in a single cable assembly.

Conductors are tinned stranded copper, 21 strands of 0.178 mm, with a nominal conductor diameter of 0.94 mm and a conductor resistance of 36.7 ohms/km at 20 degrees C. PVC insulation is applied at 0.38 mm nominal thickness and withstands a 2000 VAC dielectric test. The cable is rated 300 V at 80 degrees C.

Construction follows UL2468 and references UL758-2017, and materials are RoHS compliant. Backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage 300 V

Wire Gauge 20 AWG

MECHANICAL

Length 30.5 m
100.1 ft

Material Tinned stranded copper conductor with PVC insulation and jacket

ENVIRONMENTAL

Ambient Operating Temperature 80 °C
176 °F

ORDERING

Warranty 1 y

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

APPLICATIONS

- Indoor LED strip runs
- Stage and studio lighting rigs
- Architectural cove and accent lighting
- RGBW controller-to-fixture wiring
- Signage and display cabinet wiring

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
length	30.5 m	pdf	high
material	Tinned stranded copper conductor with PVC insulation and jacket	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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