



**Part Number: 31518**

Hook-Up/Lead Wire UL AWM Style 3044, (1) 18 AWG (19x30) TC, Neoprene, 300V, 90°C

[Request Sample](#)

## Product Description

One 18 AWG stranded (19x30) tinned copper conductor, Neoprene insulation.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1

Conductor Count:	1
Conductor Size:	18 AWG

#### Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
Neoprene	Neoprene	0.109 in	0.0325 in	0.03 in

#### Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.109 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6 Ohm/1000ft

Shielding:	Unshielded
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#### Current

Element	Max. Recommended Current [A]
Single Conductor in Free Air @ 30C Ambient	Single Conductor in Free Air @ 30C Ambient 18 amps

#### Voltage

UL Description	UL Voltage Rating
UL AWM 3044	300 V RMS

### Temperature Range

UL Temp Rating:	90°C Dry, 60°C Oil
Operating Temp Range:	-30°C To +90°C

### Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
Bulk Cable Weight:	10 lbs/1000ft

### Standards

UL AWM Style:	3044
CSA Rating:	300 V RMS, 90°C
CSA Type:	CL902

Military Specification:	N/A
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	Horizontal
Other Flammability:	UL Horizontal Flame
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Footnote
31518 0102000	Black	C 1
31518 010500	Black	F
31518 0105000	Black	C I U Z
31518 0062000	Blue, Light	I U
31518 0065000	Blue, Light	C I U Z
31518 0015000	Brown	C I U Z
31518 005500	Green, Dark	F
31518 0055000	Green, Dark	C I U Z
31518 0025000	Red	C I U Z
31518 0095000	White	C I U Z
31518 0045000	Yellow	C I U Z

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	I - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 200'.
Footnote:	U - TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10,000' PER COLOR COMBINATION. (SEE TOPCOAT ADDER TABLE)
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
Footnote:	1 - FINAL PUT-UP LENGTH MAY VARY -20% TO +10% FROM LENGTH SHOWN.
Footnote:	F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.

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