



Part Number: 31508

Hook-Up/Lead Wire UL AWM Style 3048, (1) 8 AWG (84x27) TC, Neoprene, 600V, 90°C

[Request Sample](#)

Product Description

One 8 AWG stranded (84x27) tinned copper conductor, Neoprene insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
8	84x27	TC - Tinned Copper	1

Conductor Count:	1
Conductor Size:	8 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
Neoprene	0.285 in	0.062 in	0.06 in
Neoprene			

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.285 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.6 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 80 amps

Voltage

UL Description	UL Voltage Rating
UL AWM 3048	600 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
UL Temp Rating:	90°C
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:	85 lbs/1000ft

Standards

UL AWM Style:	3048
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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 voltage rating:	600 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
31508 010500	Black	C F
31508 002500	Red	C F

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.

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