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1-800-Belden1



## General Description:

Neoprene insulation has good heat aging characteristics and is an excellent low-cost motor lead wire. It may be considered for use in hazardous locations and is being used in explosion-proof motors recognized by UL.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	8	84x27	TC - Tinned Copper

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Min. Avg. Wall (mm)
Neoprene	1.575	1.524

### Separator

Separator Material over Conductor: Y

### Overall Insulation

#### Overall Cable

Overall Nominal Diameter: 7.239 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 126.497 Kg/Km

Recommended Maximum Baking Cycles: 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

UL Rating: 600 V, 90°C

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
1.969

Max. Operating Voltage - UL:

Voltage	Description
600 VRMS	UL AWM 3048

Max. Recommended Current:

## METRIC MEASUREMENT VERSION

## 31508 Hook-up/Lead - UL AWM Style 3048

Description	Current
Single conductor in free air @ 30C ambient	80 amps

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
31508 002500	500 FT	47.500 LB	RED	C F	#8 STR CR 90C 600V
31508 010500	500 FT	47.500 LB	BLACK	C F	#8 STR CR 90C 600V

**Notes:**

C = CRATE REEL PUT-UP.

F = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'

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