

For more Information
please call

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	18	16x30	TC - Tinned Copper

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Min. Avg. Wall (mm)
Neoprene	0.762

Overall Insulation

Overall Cable

Overall Nominal Diameter: 2.769 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 14.882 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: 300 V RMS, 90°C Dry, 60°C Oil

UL Type: AWM 3044

CSA Rating: 300 V RMS, 90°C

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

CSA Type: CL902

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

Flame Test

Other Flame Test: UL Horizontal Flame

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.686

Max. Operating Voltage - UL:

METRIC MEASUREMENT VERSION

31518 Hook-up/Lead - UL AWM Style 3044

Voltage	Description
300 VRMS	UL AWM 3044

Max. Recommended Current:

Description	Current
Single Conductor in Free Air @ 30C Ambient	18 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
31518 0015000	5,000 FT	55.000 LB	BROWN	C I U Z	#18 STR CR BRN
31518 0025000	5,000 FT	55.000 LB	RED	C I U Z	#18 STR CR RED
31518 0045000	5,000 FT	55.000 LB	YELLOW	C I U Z	#18 STR CR YEL
31518 0055000	500 FT	6.000 LB	GREEN, DARK	F	#18 STR CR 90C 300V
31518 0055000	5,000 FT	55.000 LB	GREEN, DARK	C I U Z	#18 STR CR DGRN
31518 0062000	2,000 FT	22.000 LB	BLUE, LIGHT	I U	#18 STR CR 90C 300V
31518 0065000	5,000 FT	55.000 LB	BLUE, LIGHT	C I U Z	#18 STR CR LBLU
31518 0095000	5,000 FT	55.000 LB	WHITE	C I U Z	#18 STR CR WHT
31518 0102000	2,000 FT	22.000 LB	BLACK	C 1	#18 STR CR 90C 300V
31518 0105000	500 FT	6.000 LB	BLACK	F	#18 STR CR 90C 300V
31518 0105000	5,000 FT	55.000 LB	BLACK	C I U Z	#18 STR CR BLK

Notes:

C = CRATE REEL PUT-UP.

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

I = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 200'

U = TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10000' PER COLORCOMBINATION. (SEE TOPCOAT ADDER TABLE)

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

1 = FINAL PUT-UP LENGTH MAY VARY -20% TO +10% FROM LENGTH SHOWN.

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