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1-800-Belden1



General Description:

18 AWG stranded (16x30) tinned copper conductor, PVC insulation. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and wiring of electronic and electrical equipment.

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 Material	Wall Thickness (mm)	Min. Avg. Wall (mm)
PVC - Polyvinyl Chloride	0.432	0.381

Overall Insulation

Overall Cable

Overall Nominal Diameter: 2.007 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight: 8.929 Kg/Km

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL AWM Style: UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C)

UL Rating: 300 V RMS, 80°C and 300 V, 105°C

CSA Rating: 300 V RMS, 105°C

CSA Type: TRSR-64

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

EU CE Mark: Yes

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

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

EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005

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

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

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

MIL Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.358

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30C ambient	20 amps

Put Ups and Colors:

9918 Hook-up/Lead - UL AWM Styles 1007 and 1569

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9918 001100	100 FT	0.800 LB	BROWN		18 STR PVC BRN
9918 0011000	1,000 FT	9.000 LB	BROWN	P	18 STR PVC BRN
9918 0015000	5,000 FT	40.000 LB	BROWN	C P	18 STR PVC BRN
9918 002100	100 FT	0.800 LB	RED		18 STR PVC RED
9918 0021000	1,000 FT	9.000 LB	RED	P	18 STR PVC RED
9918 0025000	5,000 FT	40.000 LB	RED	C	18 STR PVC RED
9918 003100	100 FT	0.800 LB	ORANGE		18 STR PVC ORG
9918 0031000	1,000 FT	9.000 LB	ORANGE	P	18 STR PVC ORG
9918 004100	100 FT	0.800 LB	YELLOW		18 STR PVC YEL
9918 0041000	1,000 FT	9.000 LB	YELLOW	P	18 STR PVC YEL
9918 005100	100 FT	0.800 LB	GREEN, DARK		18 STR PVC DGRN
9918 0051000	1,000 FT	9.000 LB	GREEN, DARK	P	18 STR PVC DGRN
9918 0055000	5,000 FT	40.000 LB	GREEN, DARK	C	18 STR PVC DGRN
9918 006100	100 FT	0.800 LB	BLUE, LIGHT		18 STR PVC LBLU
9918 0061000	1,000 FT	9.000 LB	BLUE, LIGHT		18 STR PVC LBLU
9918 007100	100 FT	0.800 LB	VIOLET		18 STR PVC VIO
9918 0071000	1,000 FT	9.000 LB	VIOLET	P	18 STR PVC VIO
9918 008100	100 FT	0.800 LB	GRAY		18 STR PVC GRY
9918 0081000	1,000 FT	9.000 LB	GRAY	P	18 STR PVC GRY
9918 009100	100 FT	0.800 LB	WHITE		18 STR PVC WHT
9918 0091000	1,000 FT	9.000 LB	WHITE	P	18 STR PVC WHT
9918 0095000	5,000 FT	40.000 LB	WHITE	C	18 STR PVC WHT
9918 010100	100 FT	0.800 LB	BLACK		18 STR PVC BLK
9918 0101000	1,000 FT	9.000 LB	BLACK	P	18 STR PVC BLK
9918 0105000	5,000 FT	40.000 LB	BLACK	C K Z	18 STR PVC BLK
9918 013100	100 FT	0.800 LB	BLUE, DARK		18 STR PVC DBLU
9918 0131000	1,000 FT	9.000 LB	BLUE, DARK	P	18 STR PVC DBLU
9918 0135000	5,000 FT	40.000 LB	BLUE, DARK	C P	#18 STR PVC DBLU

Notes:

C = CRATE REEL PUT-UP.

K = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 500'

P = STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M' FOR 1 OR 2 STRIPES. 10000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL

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

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