



Part Number: 8522

Hook-Up/ Lead Wire (Type MW) MIL-W-76C-PVC, (1) 18 AWG (16x30) TC, PVC

Product Description

One 18 AWG stranded (16x30) tinned copper, PVC 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	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.08 in	0.017 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.08 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.35 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 16 amps

Voltage

Description	Voltage Rating [V]
Mil-W-76C	1000 V RMS Mil-W-76C

Temperature Range

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	7 lbs/1000ft
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Standards

UL AWM Style:	N/A
Military Specification:	MIL-W-76C type MWP

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Voltage Rating:	N/A
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
8522 010100	BLACK	
8522 0101000	BLACK	P
8522 013100	BLUE, DARK	
8522 0131000	BLUE, DARK	P
8522 006100	BLUE, LIGHT	
8522 0061000	BLUE, LIGHT	P
8522 001100	BROWN	
8522 0011000	BROWN	P
8522 008100	GRAY	
8522 0081000	GRAY	P
8522 005100	GREEN, DARK	
8522 0051000	GREEN, DARK	P
8522 003100	ORANGE	
8522 0031000	ORANGE	P
8522 0121000	PINK	P
8522 002100	RED	
8522 0021000	RED	P
8522 0111000	TAN	P
8522 007100	VIOLET	
8522 0071000	VIOLET	P
8522 009100	WHITE	
8522 0091000	WHITE	P
8522 0261000	WHITE, BLACK AND BLUE STRIPE	A
8522 0301000	WHITE, BLACK AND VIOLET STRIPE	A
8522 014100	WHITE, BLACK STRIPE	A
8522 0141000	WHITE, BLACK STRIPE	A
8522 018100	WHITE, BLUE STRIPE	A
8522 0181000	WHITE, BLUE STRIPE	A
8522 0161000	WHITE, GREEN STRIPE	A
8522 0201000	WHITE, ORANGE STRIPE	A
8522 0151000	WHITE, RED STRIPE	A
8522 004100	YELLOW	
8522 0041000	YELLOW	P

Footnote:	P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.
Footnote:	A - STOCKED STRIPE COLORS.

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