Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

8522 Hook-up/Lead - (Type MW) MIL-W-76C-PVC

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

General Description:

Tinned copper, PVC insulation, medium wall. The extruded PVC insulation is flame and ozone resistant. Inert to most chemicals, oils, and solvents. Covers single cond., PVC insulated hook-up wire for internal wiring of electrical and electronic 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)
PVC - Polyvinyl Chloride	0.4318

Overall Insulation
Overall Cable

Overall Nominal Diameter: 2.032 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	10.417 Kg/Km

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-76C type MWP
MIL Spec Rating:	1000 V, 80°C

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.834

Max. Operating Voltage - Other:

Voltage	Description
1000 V RMS	Mil-W-76C

Max. Recommended Current:

Description	Current
Single conductor in free air @ 30C ambient	16 amps

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8522 001100	100 FT	0.800 LB	BROWN		18 STR PVC BRN
8522 0011000	1,000 FT	8.000 LB	BROWN	P	18 STR PVC BRN
8522 002100	100 FT	0.800 LB	RED		18 STR PVC RED
8522 0021000	1,000 FT	8.000 LB	RED	P	18 STR PVC RED
8522 003100	100 FT	0.800 LB	ORANGE		18 STR PVC ORG
8522 0031000	1,000 FT	8.000 LB	ORANGE	P	18 STR PVC ORG
8522 004100	100 FT	0.800 LB	YELLOW		18 STR PVC YEL
8522 0041000	1,000 FT	8.000 LB	YELLOW	P	18 STR PVC YEL
8522 005100	100 FT	0.800 LB	GREEN, DARK		18 STR PVC GRN
8522 0051000	1,000 FT	8.000 LB	GREEN, DARK	P	18 STR PVC GRN
8522 006100	100 FT	0.800 LB	BLUE, LIGHT		18 STR PVC LBLU
8522 0061000	1,000 FT	8.000 LB	BLUE, LIGHT	P	18 STR PVC LBLU
8522 007100	100 FT	0.800 LB	VIOLET		18 STR PVC VIO
8522 0071000	1,000 FT	8.000 LB	VIOLET	P	18 STR PVC VIO
8522 008100	100 FT	0.800 LB	GRAY		18 STR PVC GRY
8522 0081000	1,000 FT	8.000 LB	GRAY	P	18 STR PVC GRY
8522 009100	100 FT	0.800 LB	WHITE		18 STR PVC WHT
8522 0091000	1,000 FT	8.000 LB	WHITE	P	18 STR PVC WHT
8522 010100	100 FT	0.800 LB	BLACK		18 STR PVC BLK
8522 0101000	1,000 FT	8.000 LB	BLACK	P	18 STR PVC BLK
8522 0111000	1,000 FT	8.000 LB	TAN	P	18 STR PVC TAN
8522 0121000	1,000 FT	8.000 LB	PINK	P	18 STR PVC PNK
8522 013100	100 FT	0.800 LB	BLUE, DARK		18 STR PVC DBLU
8522 0131000	1,000 FT	8.000 LB	BLUE, DARK	P	18 STR PVC DBLU
8522 014100	100 FT	0.800 LB	WHITE/BLACK	A	18 STR PVC WHT/BLK
8522 0141000	1,000 FT	8.000 LB	WHITE/BLACK	A	18 STR PVC WHT/BLK
8522 0151000	1,000 FT	8.000 LB	WHITE/RED	A	18 STR PVC WHT/RED
8522 0161000	1,000 FT	8.000 LB	WHITE/GREEN	A	18 STR PVC WHT/GRN
8522 018100	100 FT	0.800 LB	WHITE/BLUE	A	18 STR PVC WHT/BLU
8522 0181000	1,000 FT	8.000 LB	WHITE/BLUE	A	18 STR PVC WHT/BLU
8522 0201000	1,000 FT	8.000 LB	WHITE/ORANGE	A	18 STR PVC WHT/ORG
8522 0261000	1,000 FT	8.000 LB	WHITE/BLACK/BLUE	A	18 STR PVC WHT/BLK/BLU
8522 0301000	1,000 FT	8.000 LB	WHITE/BLACK/VIOLET	A	18 STR PVC WHT/BLK/VIO

Notes:
A = STOCKED STRIPE COLORS.
P = STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF $8.00/M' FOR1 OR 2 STRIPES. 10000' MINIMUM ORDER FOR COLOR COMBINATION.PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL

Revision Number: 1   Revision Date: 09-03-2013

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