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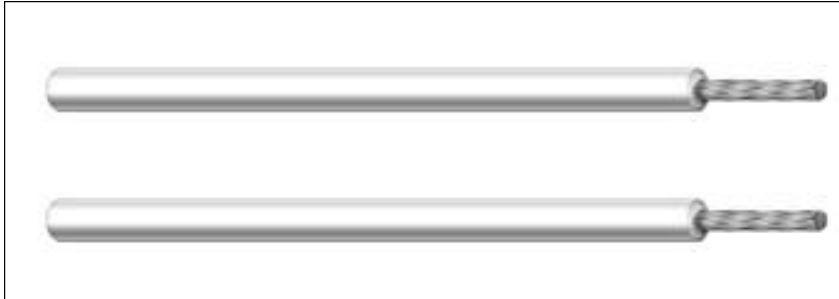
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Electronics

# Hook-Up Wire

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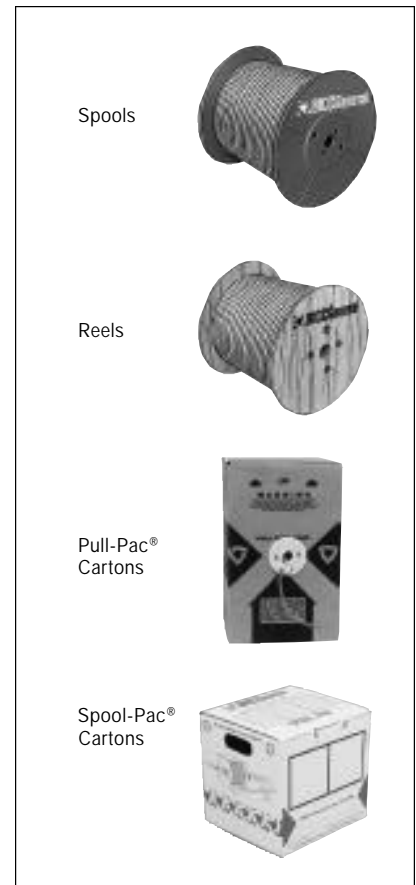


Most applications of hook-up and lead wire for board-to-board or point-to-point wiring rely on PVC insulated designs.

BICCGeneral's Carol® Brand products offer both electrical and electronic designers a vast array of quality PVC hook-up wire to meet the specific technical demands of today, with "off-the-shelf" distributor inventoried products.

Hook-up wire is also available in special colors and/or stripe combinations with a minimum of lead time. In addition, BICCGeneral offers a variety of put-ups to meet individual customer requirements.

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Hook-Up Wire

Electronics

# UL 1007, UL 1569, CSA TR-64

**Product Construction:**

**Conductor:**

- 24 thru 16 AWG
- Fully annealed tinned copper per ASTM B-33
- Solid or stranded

**Insulation:**

- Premium grade color coded PVC
- Temperature range: -20°C to +105°C
- Color Code: see chart below

**Applications:**

- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 300 volts

**Compliances:**

- UL Style 1007 - 80°C, 300V
- UL Style 1569 - 105°C, 300V
- CSA TR-64 - 90°C, 300V
- Designed to Meet UL VW-1 Vertical Wire Flame Test

**Packaging:**

- 1000' (305m) Spools
- 10,000' (3048m) Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOMINAL O.D.	
			INCHES	mm	INCHES	mm

**SOLID CONDUCTORS**

<b>C2003</b>	24	Solid	0.016	0.40	0.052	1.32
<b>C2004</b>	22	Solid	0.016	0.40	0.057	1.45
<b>C2028</b>	20	Solid	0.016	0.40	0.064	1.63
<b>C2052</b>	18	Solid	0.016	0.40	0.072	1.83
<b>C2053</b>	16	Solid	0.016	0.40	0.083	2.16

**STRANDED CONDUCTORS**

<b>C2015</b>	24	7/32	0.016	0.40	0.056	1.42
<b>C2016</b>	22	7/30	0.016	0.40	0.062	1.57
<b>C2040</b>	20	10/30	0.016	0.40	0.070	1.78
<b>C2064</b>	18	16/30	0.016	0.40	0.080	2.03
<b>C2065</b>	16	26/30	0.016	0.40	0.092	2.34

**Color Code Chart**

ORDERING SUFFIX	COLORS	ORDERING SUFFIX	COLORS
01	Black	06	Green
02	White	07	Blue
03	Red	08	Brown
04	Orange	10	Gray
05	Yellow	19	Violet

Striped combinations available upon request, consult Customer Service.

# UL 1015, CSA TEW



**Product Construction:**

- Conductor:**
- 24 thru 10 AWG
  - Fully annealed tinned copper per ASTM B-33
  - Solid or stranded

- Insulation:**
- Premium grade color coded PVC
  - Temperature range: -20°C to +105°C
  - Color Code: see chart below

**Applications:**

- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 600 volts

**Compliances:**

- UL Style 1015 - 105°C, 600V
- CSA Type TEW
- Designed to Meet UL VW-1 Vertical Wire Flame Test

**Packaging:**

- 1000' (305m) Spools
- 10,000' (3048m) Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOMINAL O.D.	
			INCHES	mm	INCHES	mm

**SOLID CONDUCTORS**

C2117	22	Solid	0.032	0.81	0.089	2.26
C2118	20	Solid	0.032	0.81	0.096	2.44
C2119	18	Solid	0.032	0.81	0.104	2.64

**STRANDED CONDUCTORS**

C2100	24	7/32	0.032	0.81	0.088	2.23
C2101	22	7/30	0.032	0.81	0.094	2.38
C2102	20	10/30	0.032	0.81	0.102	2.59
C2103	18	16/30	0.032	0.81	0.112	2.84
C2104	16	26/30	0.032	0.81	0.124	3.15
C2105	14	41/30	0.032	0.81	0.141	3.58
C2106	12	65/30	0.032	0.81	0.160	4.06
C2107	10	105/30	0.032	0.81	0.184	4.67

**Color Code Chart**

ORDERING SUFFIX	COLORS	ORDERING SUFFIX	COLORS
01	Black	06	Green
02	White	07	Blue
03	Red	08	Brown
04	Orange	10	Gray
05	Yellow	19	Violet

Striped combinations available upon request, consult Customer Service.

Hook-Up Wire

Electronics

# MIL-W-76B

## Type MW

**Product Construction:**

**Conductor:**

- 24 thru 12 AWG
- Fully annealed stranded tinned copper per ASTM B-33

**Insulation:**

- Premium grade color coded PVC
- Type MW: Medium wall
- Temperature range:  
- 12°C to +90°C
- Color Code: See chart below

**Applications:**

- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 1000 volts (MIL-W-76B)
- Non QPL

**Packaging:**

- 1000' (305m) Spools
- 10,000' (3048m) Reels
- Other put-ups available—consult Customer Service



CATALOG NUMBER	TYPE DESIGNATION	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOMINAL O.D.	
				INCHES	mm	INCHES	mm

**MIL-W-76B TYPE MW (MEDIUM WALL)**

<b>C7600</b>	MW-C24(7)U	24	7/32	0.016	0.40	0.056	1.42
<b>C7602</b>	MW-C22(7)U	22	7/30	0.016	0.40	0.062	1.57
<b>C7604</b>	MW-C20(10)U	20	10/30	0.016	0.40	0.070	1.78
<b>C7606</b>	MW-C18(16)U	18	16/30	0.016	0.40	0.080	2.03
<b>C7608*</b>	MW-C16(26)U	16	26/30	0.016	0.40	0.092	2.34
<b>C7610*</b>	MW-C14(41)U	14	41/30	0.016	0.40	0.109	2.77
<b>C7611*</b>	MW-C12(65)U	12	65/30	0.016	0.40	0.128	3.25

\* -25°C to +105°C

**Color Code Chart**

ORDERING SUFFIX	COLORS	ORDERING SUFFIX	COLORS
<b>01</b>	Black	<b>06</b>	Green
<b>02</b>	White	<b>07</b>	Blue
<b>03</b>	Red	<b>08</b>	Brown
<b>04</b>	Orange	<b>10</b>	Gray
<b>05</b>	Yellow	<b>19</b>	Violet

Striped combinations available upon request, consult Customer Service.

# Rubber/PVC Test Lead



**Product Construction:**

- Conductor:**
- 20 and 18 AWG
  - Fully annealed stranded tinned copper per ASTM B-33
- Insulation:**
- Premium grade color coded Rubber or PVC
  - Temperature range:
    - 20°C to +60°C Rubber
    - 25°C to +60°C PVC
  - Color Code: See chart below

**Applications:**

- Test equipment
- Oscillators

**Packaging:**

- 5000' (1524m) Reels
- 1000' (305m) Spools
- 500' (152m) Reels
- Other put-ups available—consult Customer Service

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		BREAKDOWN VOLTAGE (AC, rms)	WORKING VOLTAGE*	NOMINAL O.D.	
				INCHES	mm			INCHES	mm

**Rubber Test Lead**

C1326	1	20	41/36	0.040	1.02	6,000V	1,500V	0.125	3.18
C1319	1	20	41/36	0.047	1.19	12,000V	3,000V	0.140	3.56
C1321	1	18	65/36	0.045	1.14	20,000V	5,000V	0.140	3.56
C1318	1	18	65/36	0.088	2.24	29,000V	10,000V	0.230	5.84

\*For intermittent duty only.

**Color Code Chart**

ORDERING SUFFIX	COLORS
01	Black
03	Red

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		BREAKDOWN VOLTAGE (AC, rms)	WORKING VOLTAGE*	NOMINAL O.D.	
				INCHES	mm			INCHES	mm

**PVC Test Lead**

C1320	1	18	65/36	0.045	1.14	20,000V	5,000V	0.140	3.56
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\*For intermittent duty only.

**Color Code Chart**

ORDERING SUFFIX	COLORS
01	Black
03	Red
06	Green