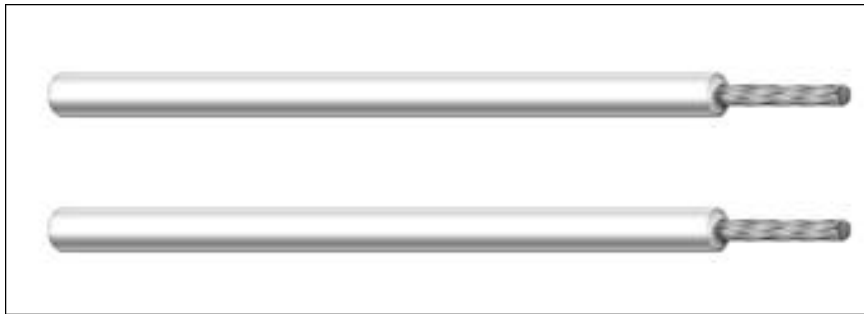


# Hook-Up Wire

1



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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Spools



Reels

Pull-Pac®  
CartonsSpool-Pac®  
Cartons

**CAROL  
BRAND**

**BICCGeneral**

# 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:

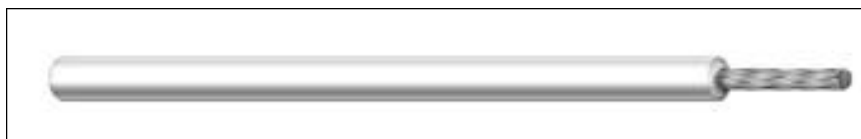
- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 300 volts

## 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

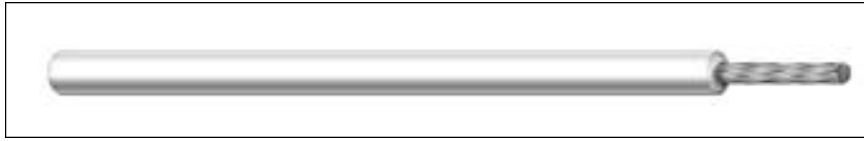
|              |    |       |       |      |       |      |
|--------------|----|-------|-------|------|-------|------|
| <b>C2015</b> | 24 | 7/32  | 0.016 | 0.40 | 0.056 | 1.42 |
| <b>C2016</b> | 22 | 7/30  | 0.016 | 0.40 | 0.062 | 1.57 |
| <b>C2040</b> | 20 | 10/30 | 0.016 | 0.40 | 0.070 | 1.78 |
| <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 |
|-----------------|--------|-----------------|--------|
| <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.

# UL 1015, CSA TEW



| CATALOG<br>NUMBER | AWG<br>SIZE | COND.<br>STRAND. | NOM. INSULATION<br>THICKNESS |    | NOMINAL O.D. |    |
|-------------------|-------------|------------------|------------------------------|----|--------------|----|
|                   |             |                  | INCHES                       | mm | INCHES       | mm |

## SOLID CONDUCTORS

|              |    |       |       |      |       |      |
|--------------|----|-------|-------|------|-------|------|
| <b>C2117</b> | 22 | Solid | 0.032 | 0.81 | 0.089 | 2.26 |
| <b>C2118</b> | 20 | Solid | 0.032 | 0.81 | 0.096 | 2.44 |
| <b>C2119</b> | 18 | Solid | 0.032 | 0.81 | 0.104 | 2.64 |

## STRANDED CONDUCTORS

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

## 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

## Color Code Chart

| ORDERING<br>SUFFIX | COLORS | ORDERING<br>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.

# 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<br>NUMBER | TYPE<br>DESIGNATION | AWG<br>SIZE | COND.<br>STRAND. | NOM. INSULATION<br>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 |

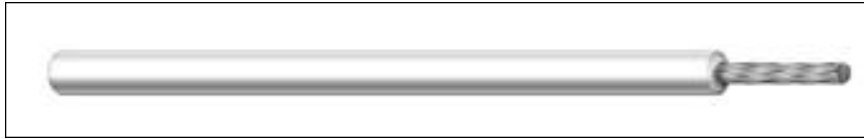
\*–25°C to +105°C

### Color Code Chart

| ORDERING<br>SUFFIX | COLORS | ORDERING<br>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



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

## Rubber Test Lead

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

\* For intermittent duty only.

## Color Code Chart

| ORDERING<br>SUFFIX | COLORS |
|--------------------|--------|
| <b>01</b>          | Black  |
| <b>03</b>          | Red    |

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

## PVC Test Lead

|              |   |    |       |       |      |         |        |       |      |
|--------------|---|----|-------|-------|------|---------|--------|-------|------|
| <b>C1320</b> | 1 | 18 | 65/36 | 0.045 | 1.14 | 20,000V | 5,000V | 0.140 | 3.56 |
|--------------|---|----|-------|-------|------|---------|--------|-------|------|

\* For intermittent duty only.

## Color Code Chart

| ORDERING<br>SUFFIX | COLORS |
|--------------------|--------|
| <b>01</b>          | Black  |
| <b>03</b>          | Red    |
| <b>06</b>          | Green  |

## 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