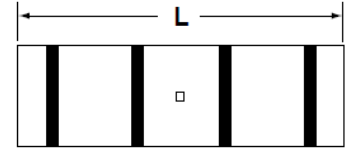


# 3M™ Scotchlok™ Terminals

MC2BC thru MC250BC

Butt Connector, Non-Insulated, Seamless



Data Sheet

March 2009

| Product Number | Color Code | Wire Range | L    | Barrel I.D. |
|----------------|------------|------------|------|-------------|
| MC2BC          | Brown      | 1 AWG      | 1.38 | .34         |
| MC1BC          | Green      | 2 AWG      | 1.38 | .36         |
| MC1/0BC        | Pink       | 1/0 AWG    | 1.55 | .41         |
| MC2/0BC        | Black      | 2/0 AWG    | 1.80 | .46         |
| MC3/0BC        | Orange     | 3/0 AWG    | 1.90 | .51         |
| MC4/0BC        | Purple     | 4/0 AWG    | 2.00 | .56         |
| MC250BC        | Yellow     | 250 kcmil  | 2.25 | .63         |

|                       |                    |                 |
|-----------------------|--------------------|-----------------|
| <b>Specifications</b> | Wire Size:         | See Table Above |
|                       | Seam Style:        | Seamless        |
|                       | Maximum Current:   | Same as Wire    |
|                       | Terminal Material: | ETP Copper      |
|                       | Terminal Planting: | Tin             |


## Installation Information

### **WARNING**

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

One crimp with the proper tool and dies secures the inserted stripped conductor. See chart below for the proper strip length, tool, and crimp die.



 Barrel Crimp (Required)

| Wire Size<br>AWG or MCM | Strip Length | Crimp Tool and Die             |                       |
|-------------------------|--------------|--------------------------------|-----------------------|
|                         |              | Burndy MY29-3<br>Scale Setting | T&B TBM5<br>Die Color |
| 2                       | .50 inch     | 4                              | Brown                 |
| 1                       | .56 inch     | 2                              | Green                 |
| 1/0                     | .60 inch     | 1/0                            | Pink                  |
| 2/0                     | .67 inch     | 2/0                            | Black                 |
| 3/0                     | .75 inch     | 3/0                            | Orange                |
| 4/0                     | .84 inch     | 4/0                            | Purple                |
| 250                     | .84 inch     | U29RT                          | Yellow                |

---

**Engineering Specification**

Crimp-type terminals shall electrically and mechanically connect permanently to the pre-stripped ends of two stranded copper wires. The connector line shall offer barrel variations in wire (AWG or MCM) size (#2 to 250 MCM). The non-insulated, seamless butt connector shall be tin-plated annealed copper sized for specified (AWG or MCM) wire range (2 AWG thru 250 MCM)

---

**Shelf-life & storage**

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (50°F/10°C to 80°F/27°C and <75% relative humidity).

---

**Availability**

Please contact your local distributor, available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

---

---

**Important Notice**

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

---

**Warranty; Limited Remedy; Limited Liability**

This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

---

3M and Scotchlok are trademarks of 3M Company.

**Electrical Markets Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
800 245 3573  
FAX 800 245 0329  
www.3M.com/electrical

Please recycle.  
© 3M 2009 All rights reserved.  
78-8125-9663-9 B