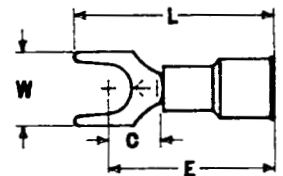


# Scotchlok® Brand Terminals

Crimp-Type

CAT. NO. MNG22-6F THRU MNG10-10F  
(B-06-501 THRU D-06-503)

Fork, Nylon Insulated, with Insulation Grip



UNDERWRITERS  
LABORATORIES  
STANDARD NO. UL 486A  
3M FILE NO. E23438



CANADIAN  
STANDARDS  
ASSOCIATION  
STANDARD NO. 22.2  
NO. S 0, 65  
3M FILE NO. LR22190

| Wire<br>Range<br>(AWG) | Stud<br>Size | W   | C   | L    | E   | Thick-<br>ness | Barrel |      | Max.<br>Wire<br>Insul.<br>Dia. | Catalog<br>Number    |
|------------------------|--------------|-----|-----|------|-----|----------------|--------|------|--------------------------------|----------------------|
|                        |              |     |     |      |     |                | Length | I.D. |                                |                      |
| 22-<br>18<br>(Red)     | 6            | .34 | .29 | .90  | .74 | .030           | .25    | .070 | .145                           | MNG18-6F (B-06-501)  |
|                        | 8            | .34 | .29 | .90  | .74 | .030           | .25    | .070 | .145                           | MNG18-8F (B-06-503)  |
|                        | 10           | .34 | .29 | .90  | .74 | .030           | .25    | .070 | .145                           | MNG18-10F (B-06-505) |
| 16-<br>14<br>(Blue)    | 6            | .34 | .29 | .90  | .74 | .030           | .25    | .090 | .170                           | MNG14-6F (C-06-501)  |
|                        | 8            | .34 | .29 | .90  | .74 | .030           | .25    | .090 | .170                           | MNG14-8F (C-06-503)  |
|                        | 10           | .34 | .29 | .90  | .74 | .030           | .25    | .090 | .170                           | MNG14-10F (C-06-505) |
| 12-<br>10<br>(Yellow)  | 6            | .38 | .29 | 1.03 | .84 | .040           | .25    | .135 | .250                           | MNG10-6F (D-06-501)  |
|                        | 8            | .38 | .29 | 1.03 | .84 | .040           | .25    | .135 | .250                           | MNG10-8F (D-06-502)  |
|                        | 10           | .38 | .29 | 1.03 | .84 | .040           | .25    | .135 | .250                           | MNG10-10F (D-06-503) |

## SPECIFICATIONS:

WIRE SIZE:

SEE TABLE ABOVE

BARREL SEAM:

BUTTED

MAXIMUM VOLTAGE RATING:

600 V BUILDING WIRE  
1000 V SIGNS, FIXTURES  
AND LUMINAIRES

MAXIMUM OPERATING TEMP.:

105°C. 221°F

MAXIMUM CURRENT:

SAME AS WIRE

INSULATOR MATERIAL:

NYLON

TERMINAL MATERIAL:

ETP COPPER

INSULATION GRIP MATERIAL:

BRASS

TERMINAL PLATING:

TIN

## ENGINEERING SPECIFICATION:

Crimp-Type Terminals shall, electrically and mechanically, connect to a prestripped end of a stranded copper wire; and have a flat tongue portion with a central opening for mounting around a screw or stud.

The terminal line shall offer tongue variations in hole (stud) size (..., 6, 8, 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.); and barrel variations in wire (AWG) range (..., 22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.). The terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and a manufacturer's symbol (↑).

The Nylon Insulated Fork terminal, with Insulation Grip shall be tin plated, annealed copper with the tongue having a specified stud slot (6, 8, 10) and a .25" long barrel with a tin plated brass, funnel entry insulation grip, covered by a molded nylon sleeve, color coded and sized for a specified (AWG) wire range (Red, 22-18; Blue, 16-14; Yellow, 12-10).

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum, building wire; 1000 Volts maximum, in signs, fixtures and luminaires, and have a maximum operating temperature of 105°C.

Important Notice: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

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## INSTALLATION INFORMATION:

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

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style), TR-482, TR-484 (ratchet style) hand tools.



BARREL CRIMP (REQUIRED)

INSULATION GRIP CRIMP  
(RECOMMENDED)

Electrical Products Division / 3M

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**3M**

B-06-50