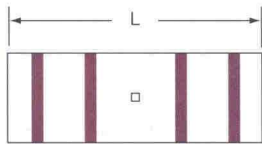


Large Gauge Butt Connectors - Non-Insulated Copper Seamless

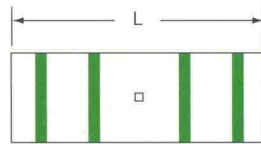


Product Number ¹	UPC (054007-)	Color Code	Wire Range	L	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2BCX	09205	Brown	2 AWG	1.35" (34,3 mm)	0.341" (8,6 mm)	10/ box	100
MC1BCX	09206	Green	1 AWG	1.35" (34,3 mm)	0.365" (9,3 mm)	10/ box	100
MC1/0BCX	09207	Pink	1/0 AWG	1.55" (39,4 mm)	0.412" (10,5 mm)	10/ box	100
MC2/0BCX	09208	Black	2/0 AWG	1.80" (45,7 mm)	0.466" (11,8 mm)	10/ box	100
MC3/0BCX	09209	Orange	3/0 AWG	1.90" (48,3 mm)	0.516" (13,1 mm)	3/ box	30
MC4/0BCX	09210	Purple	4/0 AWG	2.00" (50,8 mm)	0.564" (14,3 mm)	3/ box	30
MC250BCX	09211	Yellow	250 kcmil	2.00" (50,8 mm)	0.595" (15,1 mm)	3/ box	30

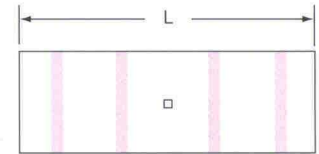


MC2BCX
2

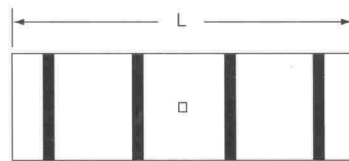
Wire Range



MC1BCX
1

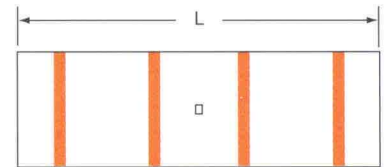


MC1/0BCX
1/0

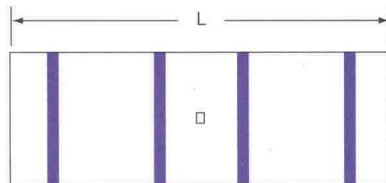


MC2/0BCX
2/0

Wire Range

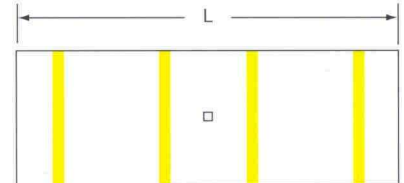


MC3/0BCX
3/0



MC4/0BCX
4/0

Wire Range

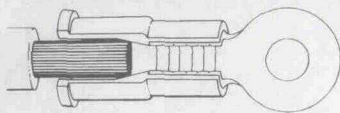


MC250BCX
250

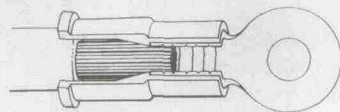
Installation Procedure

Funnel Barrel Feature provides an excellent electrical and mechanical connection.

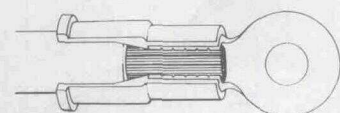
- Funnel design guides wire into position.



- No wire strand hang-up as the wire is inserted, giving a fast, positive installation.



- Wire is in place, ready for crimping.

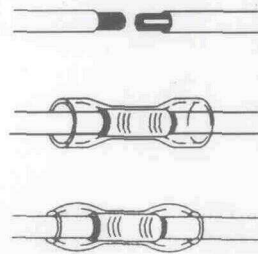


For maximum crimping performance, barrel of connector must be properly indexed in the crimp tool station.

Versatile and Easy to Use – 3M heat shrink terminals, splices and disconnects are available in wire sizes 22–10 AWG and can be installed easily with a recommended tool and heat source. The connectors are color-coded for wire range identification and the transparent tubing allows for visual inspection.

Application Procedure for Heat Shrink Products:

1. Strip wires to appropriate length as indicated on package label.
2. Insert wire into terminal and crimp with correct station of a recommended tool.
3. Apply heat with a recommended heat source.



High Temperature Terminals and Connectors

3M high temperature terminals and connectors are constructed of steel with a nickel plating. Their temperature rating for continuous use at 900°F (482°C) makes them perfect for use in ovens, motors, light fixtures and other applications where other connectors would corrode or melt.

There is no applicable UL or CSA standard for high temperature steel parts.

Standard Crimp Terminal and Connector Specifications

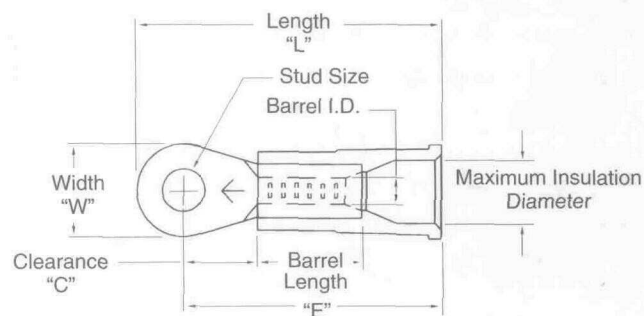
Materials

Crimp terminals and connectors are to be burr-free, annealed and bright-tin plated ETP copper. Barrels shall be 0.25" long with brazed seams where specified. Insulation grip sleeves are to be tin-plated brass and attached securely to the barrel. Terminal insulators are to be **molded** polyvinyl chloride or nylon, UL Listed and CSA Certified for 600V in building wire and 1000V in signs and lighting fixtures (luminaries). Connector insulators are to be **extruded** polyvinyl chloride or nylon with a temperature rating of 221°F (105°C).

Construction

All insulated terminals are to have funnel entry construction to prevent strand hang-up and a crimp ridge for proper tool location. Nylon insulated terminals and connectors are to have butted seam barrels with insulation grip sleeves. All terminal barrels are to have multiple "V" grooves for maximum conductor retention.

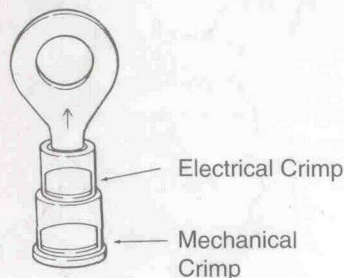
Dimension Key



Note: All dimensions are measured in inches.

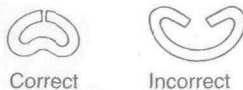
Correct crimping is important to assure a strong connection

Insulated Terminals and Connectors:



Non-Insulated Terminals and Connectors:

Indent should be opposite the barrel seam.



Heat Shrink Terminals, Connectors and Disconnects

3M Heat Shrink pre-insulated terminals, connectors and disconnects protect against the most challenging of environments, making the best moisture protection available. They offer several advantages over conventional unsealed products.

Corrosion Resistance – The adhesive-lined heat shrink material, when properly crimped and shrunk, provides a seal resistant to water, salt, steam and other related contaminants.

Improved Mechanical Performance – The adhesive-lined heat shrink tubing adheres, when shrunk, to both the connector and the wire insulation providing improved pullout strength and strain relief.

Durable Heat Shrink Tubing – Tough heat shrink tubing effectively resists abrasion, scoring, cut-through, and the effects of long term aging.