

## INSTALLATION CHART

### COPPER LUG & SPLICE CONNECTORS

Copper Wire Size	Connector Catalog Types	Die Index & Color	# of Crimps per Barrel Length	
			Std	Long
#10 AWG #12 AWG SOL & STR	T10- (YAD10-) YAV10- YAZ10- YAZV10-	:: Yellow	1	N/A
#8 AWG Code & Flex	YA8C- YAV8C- YAZ8C- YAZV8C- YS8C- YSV8C-	49 Red	1	2
#6 AWG Code	YA6C- YAZ6C- YS6C-	7 Blue	1	2
#6AWG Code & Flex	YAV6C- YAZV6C- YSV6C-			
#4 AWG Code	YA4C- YAZ4C- YS4C-	8 Grey	2	4
#4AWG Code & Flex	YAV4C- YAZV4C- YSV4C-			
#3 AWG #2 Solid	YA3C- YS3C-	9 White	2	4
#2AWG Code	YA2C- YAZ2C- YS2C-	10** Brown	2	4
#2AWG Code & Flex	YAV2C- YAZV2C- YSV2C-			

### COPPER C-TAP CONNECTORS

Cat. #	Wire Size Copper Stranded AWG		Die Index & Color	# Crimps
	Run	Tap		
YC10L12	14 12 10	16 - 14 16 - 14 16	49 Red	1
YC8L12	10 8	10 12	7 Blue	1
YC6L12	8 6	10 - 8 12 - 10	8 Grey	1
YC4L12	6 5, 4	8 - 6 12 - 8	10 Brown	2

**For information, contact:**

**BURNDY® TOOL SERVICE CENTER**

150 BURNDY Road

Attn.: Tool Repair Center

Littleton, NH 03561

Telephone: 800-426-8720

ITEM NO 50030110

Reorder Form Y122CMRSOMI

Rev. D

**SAFETY**

**OPERATING &**

**MAINTENANCE**

**INSTRUCTIONS**

**HYTOOL™**

**MECHANICAL  
RATCHET TOOL**

**CAT # Y122CMR**



**BURNDY®**

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## SAFETY FIRST

# ! WARNING



The information provided in this manual is essential for the safe handling, operation, and maintenance of BURNDY® hand tools. The operator must read, understand, and follow these instructions and ALL safety warnings and labels before operating this tool. Only use this tool in accordance with the manufacturer's specifications. Other use of this tool may lead to serious personal injury or death.



Tools are NOT insulated for use on or near energized conductors. Use of these tools near energized conductors may lead to electrical shock, causing severe injury or death. Do NOT use these tools near energized conductors without adequately insulating operator and surroundings.

Pinch point hazard. Tool jaws move at high force and can cause severe personal injury. To avoid personal injury, keep all body parts away from moving parts of the tool during operation.

Use all appropriate personal safety equipment when handling, operating, and servicing this tool, including but not limited to eye protection and gloves.

## FEATURES & BENEFITS

FEATURES	BENEFITS
Rotating color coded die wheel.	Allows easy one hand die change.
Die index embossment.	Allows permanent inspectability of installed connectors.
Comfort grip handles.	Helps reduce fatigue during common use.
Emergency release mechanism.	Allows tool to be removed from connector.

## DESCRIPTION

The BURNDY® Y122CMR is a mechanical full cycle ratchet tool that can accommodate copper compression connectors for #12 through #2 AWG copper conductor. Tools come with a color coded die wheel which rotates to provide a proper match of the die and color coded BURNDY® connector. The die index is embossed on the completed connection for permanent inspectability. A ratchet mechanism assures the tool must complete a full cycle before releasing.

## SPECIFICATIONS

Length:	10 in	(254 mm)
Width:	3/4 in	(19 mm)
Weight:	1 1/4 lb	(.6 kg)

## OPERATION

1. Prepare an appropriate conductor by stripping the correct amount of insulation from the wire.
2. Rotate the die wheel until the correct die groove is selected (the color code will be visible through the window).
3. Line up the die groove in the tool with the ink bands on the BURNDY® connector and grip the connector with the jaws. Note: There are no ink bands on the #10 AWG connectors; crimp in the middle of the barrel.
4. Insert the prepared wire and fully cycle the tool handles until the ratchet mechanism releases.

See installation chart on the back of this manual for wire and connector applications.

## MAINTENANCE

The service life of a tool can be greatly improved with proper care and maintenance. To extend the life of your BURNDY® Y122CMR mechanical crimp tool keep it clean and well lubricated. Inspect the tool prior to, and after each use for dirt, grease, oil, oxide inhibitors (Penetrox™), and other foreign materials. Should any of these exist, clean the tool using a high quality solvent type cleaner. After each cleaning, wipe the tool dry and lubricate with a high grade silicone spray.

## SERVICE

Other than the maintenance tasks described above, these tools are NOT user serviceable. Complete disassembly of the tool is not recommended. Should service be required, return the tool to the BURNDY® Tool Service Center or an BURNDY® authorized tool repair center. Call 1-800-426-8720 for additional information.