

## Installation Instructions

Installation instructions help the installer understand proper wire preparation, proper insertion requirements, crimp zone location, individual crimp location, crimp order and crimp direction, to ensure safe and reliable wire connections. UL Listing and CSA Certification are only valid when using the BURNDY® Engineered System and following BURNDY Installation Instructions.

### Copper Flex Standard Barrel Installation Steps:

1. Select the appropriate connector based on:  
Wire Material  
Wire Construction  
Wire Size
2. Strip the insulation to the appropriate wire strip length, based on the table's Wire Strip Length recommendation for the selected connector. Due to tolerances in the connector, wire strip length, and insulation stripping tools, this range may be 0" - 1/4". The exposed wire, also known as a "shiner", has no performance impact on the connection and there is no wire exposure requirement by BURNDY.
3. As a best practice, wire brush the bare conductor to remove any oxides. DO NOT wire brush tin-plated connectors.
4. Insert the conductor into the barrel for the full length. If the connector has an inspection window, the conductor end can easily be seen to verify full wire insertion.
5. Apply the proper number of crimps specified by the appropriate illustration.
6. \*Some catalog numbers require overlapping crimps when using the 81K or 4PC Series of installation tools. Please refer to the overlapping crimp image that is applicable based on the number of crimps required. Overlap each consecutive crimp so that the completed installation of all overlapping crimps covers the entire crimp zone.
7. Once all crimps have been completed, the connection can be easily inspected for proper installation.

**NOTE:** Illustrations show black bands however this is just a representation of the crimp zones. See individual connector for actual crimp band color.

**Example:** YAV28LNT38FX

Go to the YA-28-L-FX Catalog Number Designation for 4/0 AWG G,H,I,K,M or DLO.  
Confirm the Tool (750 Series for this example).  
Confirm the Die Set Needed (U28RT for this example)  
Confirm the Number of Crimps Necessary (1 for this example)  
For proper crimp placement refer to the image on this page corresponding to the number of crimps.



CATALOG NUMBER DESIGNATIONS		
YA-8C-L-FX	YA-6C-L-FX	YA-4C-L-FX
YA-3C-L-FX	YA-2C-L-FX	YA-1C-L-FX



CATALOG NUMBER DESIGNATIONS			
YA-25-L-FX	YA-26-L-FX	YA-27-L-FX	YA-28-L-FX
YA-29-L-FX	YA-30-L-FX	YA-31-L-FX	YA-32-L-FX
YA-34-L-FX	YA-36-L-FX	YA-38-L-FX	YA-39-L-FX*
YA-40-L-FX*	YA-44-L-FX*	YA-45-L-FX	

