

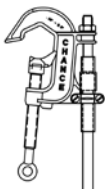
Installation Instructions for Grounding Ferrules

1 - Ferrule Types

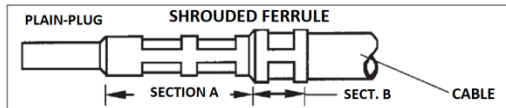
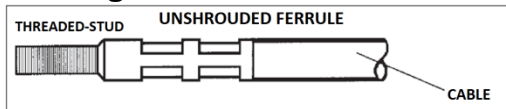
- Materials – Copper, tin-plated copper or aluminum
- Plain-plug – for pressure-type grounding-clamp terminals
- Threaded-stud – for tapped or drilled grounding-clamp terminals
- Unshrouded – does not extend over cable jacket
- Shrouded – extends over the cable jacket



Plain-plug type ferrule used on pressure type grounding clamp

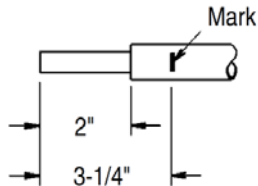


Threaded-stud type ferrule used on tapped or drilled grounding clamps



2 - Cable Preparation

- Remove cable insulation 2" from end. Take care not to nick, cut or move any of the fine strands
- For shrouded ferrules only - mark cable insulation 3 1/4" from end of cable
- Apply contact aid to the bare cable (Fargo High Temperature Joint Compound Inhibitor HTJCN8B or similar)
- Note the ferrule will come pre-filled with inhibitor
- Take care not to disturb any of the strands
- Carefully place the cable into the ferrule
 - For unshrouded ferrules, insert cable until the ferrule meets the cable jacket
 - For shrouded ferrules, insert cable until the end of the shroud meets the mark made on the cable jacket (3 1/4")



POWER SYSTEMS, INC.

Hubbell / Chance, 210 N. Allen, Centralia, MO 65240

CHANCE

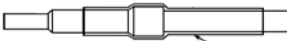
Installation Instructions for Grounding Ferrules

3 – Crimping Ferrules

- Factory assembled sets use a Finn-Power Crimper CC24 with 8 sided dies. For details, please contact your Hubbell Representative*
- Alternate approved and tested crimping tools:
 - Anderson die-less VERSA-CRIMP™ compression tool
 - Burndy Y35 Hydraulic Tool and the appropriate die* (listed to the right)
- Equally space 2 crimps in Section A, and center one crimp in Section B (section B for Shrouded Ferrules only)

4 – Heat Shrink Application

- Place over both the ferrule and cable jacket (See example below)
- Use heat gun to shrink down over the ferrule and cable jacket



5 – Clamp Installation

Plain-plug type for pressure-type grounding-clamp terminals

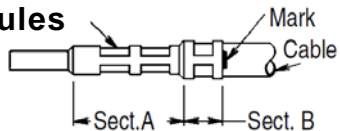
- Wire brush contact areas where possible
- Apply contact aid to contact surface (Fargo High Temperature Joint Compound VS8HTJC or similar)
- Insert ferrule through eye terminal, ensuring proper contact with clamp body
- Tighten nut on eye terminal to 250 in-lb.

Threaded-stud type for tapped or drilled grounding-clamp

- Insert or thread ferrule into ferrule boss as far as possible
- For clamps with a tapped hole, lithium grease may be applied to threads as needed (Litholene EP-2, Shell Retinax LC2 or similar)
- Secure ferrule in place with nut and lock washer and tighten to 250 in-lb.

Clamps with strain relief straps – position may vary by clamp design (over ferrule or cable)

- Screws should be tightened snugly
- If strap is positioned over cable, ensure cable is not crushed

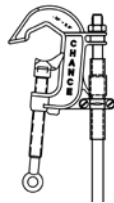


Cable Size	Terminal Material	Burndy Die Number	
		Section A	Section B
#2	Aluminum or Copper	U165	U166
1/0	Aluminum or Copper	U165	U168
2/0	Aluminum or Copper	U165	U-L
4/0	Copper	U166	U-L
4/0	Aluminum	U249	U-L

Die sizes are based on CHANCE® grounding cable



Pressure-type grounding-clamp uses Plain-plug type ferrules



Tapped or drilled grounding-clamp uses Threaded-stud type ferrules