

15 Series Taper Nose In-Line Detachable Connectors

Rated: 600V, up to 150A continuous current using #2 cable
Cable Size: #8 - #2



PK-93594-10-02-0C

INSTALLATION

ENGLISH

WARNINGS & CAUTIONS:

- **WARNING: TO AVOID FIRE, SHOCK OR DEATH, TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!
- TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH ELECTRICAL CODES AND REGULATIONS.
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- **USE COPPER CABLE ONLY.** DO NOT EXCEED RATED CABLE AMPACITY FOR CORRESPONDING CABLE SIZE. ACCEPTABLE CORD TYPES INCLUDE; SC, SCE, SCT, OR TYPE "W".

NOTE: INSULATING JACKETS ON POWER CABLES ARE NOT OF UNIFORM THICKNESS. THE CABLE SIZE INDICATORS LISTED ON OUR SLEEVES ARE ONLY GUIDELINES FOR TRIMMING TO THE CORRECT CABLE DIAMETER. **DO NOT PRECUT SLEEVES BEFORE YOU ARE READY TO ASSEMBLE.**

NOTE: USE AMPACITY CHART FOR CORRECT CABLE SIZE APPLICATION.

FEATURES:

Intermatable and compatible with competitive same nose cam-type products - can be retrofitted to existing locations and power distribution systems.

Shatter and crack proof - high durometer thermoplastic elastomer (TPE) sleeve.

Color coded insulating sleeves - fast and easy phase identification.

Self-compensating for wear - slit and cam in male contact provide spring action for longer usage.

Fast connect/disconnect - twist and pull provided by double cam male and guide boss in female.

High conductivity - positive, vibration proof connection provided by double cam design.

Wide variety of applications - can be used with a wide range of cable sizes and amperage ratings.

The 15 Series meet NEC Code, are UL listed and CSA certified.

The 15 Series is rainproof - NEMA Type 3R enclosure rating for outdoor use.

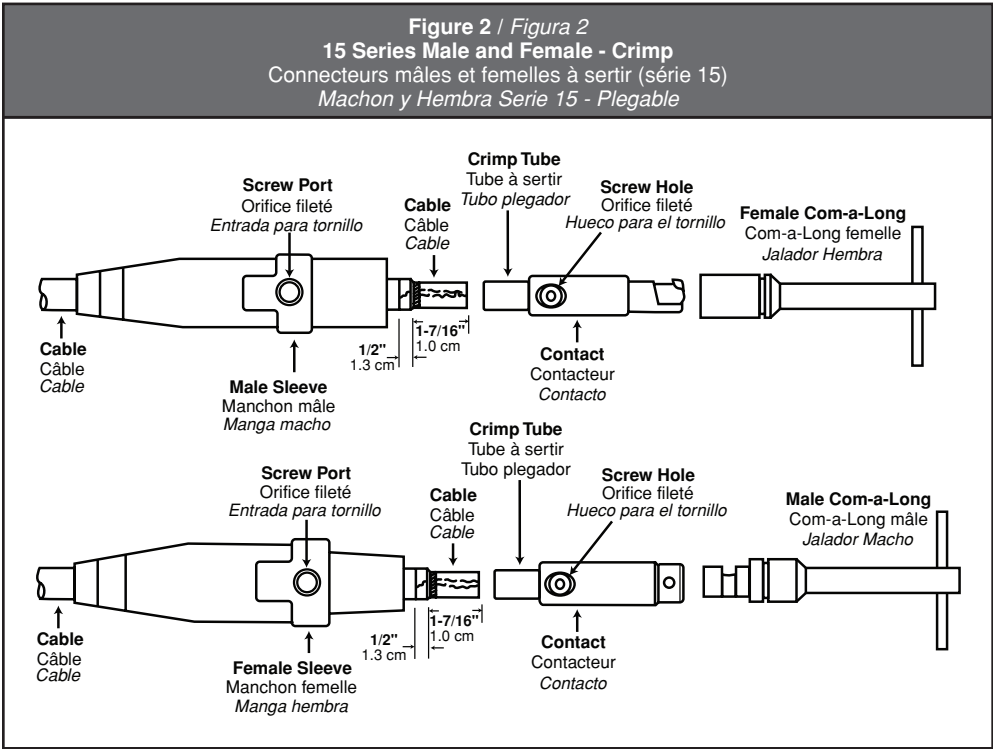
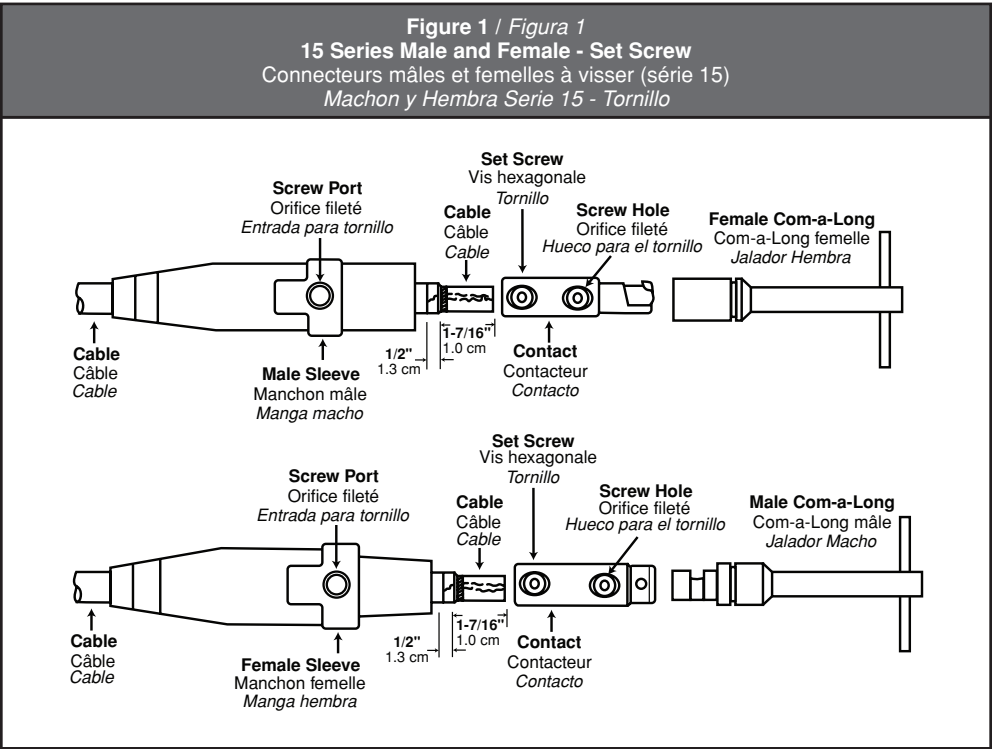
ITEMS AND TOOLS NEEDED FOR ASSEMBLY:

- (1) Razor Cutting Blade
 - (1) Allen Wrench
 - (1) Can of Leviton Spray Lube
- (1 or 2) Copper Shim(s)*†
 - (1) Com-a-Long tool
 - (1) Contact & Sleeve (Same Sex)*
- (1) Flat Head Screw Driver
 - (1) Pliers
 - (1) Wire Cutter
- (1) Hex Head Socket Set Screw(s)*†
 - (1) Strain Relief Wire*†
 - (1) Nylon Assembly Screw*

* Provided † Depending on model

TO ASSEMBLE:

1. **WARNING: TO AVOID FIRE, SHOCK OR DEATH, TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!
2. Hold the cable end of the sleeve to your power cable to establish an idea of how much of the sleeve to cut off taking into account the sleeve thickness. Cut off the cable end of the sleeve to match the cable diameter. The first section fits cable outside diameter of .30". The second section fits cable outside diameter of .38". The third section fits cable outside diameter of .50".
Example: For .41" to .50" diameter cable, cut below the .50" line of the sleeve for your initial cut. If the hole is too small, take off a little more until you have a good snug fit over the cable.
3. Spray Leviton Silicone Spray Lube into the cable end of sleeve and onto the cable (you can also use liquid soap or cable pulling compound).
NOTE: DO NOT coat contact or inside diameter of sleeve where contact fits, as this may cause the contact to slip within sleeve.
4. Slide the sleeve over the cable as shown in **Figures 1 and 2**.
5. For Set Screw devices strip approximately 5/8" of jacket off cable (**refer to Figure 1**). Wrap copper shim stock around the exposed bare conductors.
For cable size **#8** or **#6** use 2 pieces of 5/8" x 1-1/4" shims. Use a set screw 5/16-24 x 1/4" long.
For cable size **#4** or **#2** use 1 piece of 5/8" x 1-1/4" shim. Use a set screw 5/16-24 x 5/16" long.
For Crimp devices strip approximately 1-1/8" of jacket off cable (**refer to Figure 2**).
6. Wrap the center of the strain relief wire around the cable jacket 1/4" from the end of the jacket and tighten by twisting with pliers.
7. Bend the wire so that it rests flat against the shim making sure to squeeze the twisted portion tightly against the cable jacket to ensure that it will clear the inside of the sleeve. Cut the ends of the starin relief wire flush with the front end of the shim away from the cable jacket.
- 8A. **For Set Screw devices (refer to Figure 1):** Insert the exposed cable all the way into the contact with the stripped copper conductor between the strain relief wire and the hex socket set screw hole.
Using an Allen wrench, **tighten the 5/16-24 set screw to 50 in.-lbs. of torque**, ensuring that it is firmly secure.
- 8B. **For Crimp devices (refer to Figure 2):** Insert the exposed cable and strain relief wire all the way into the contact.
Crimp the copper tube using a Burndy Type 750 crimp tool with the following:
#8 wire crimp tube: U8CRT die
#4, #6 wire crimp tube: U3CD-1 die Y34PL
9. **For devices with assembly screw:** Push the sleeve over the contact ensuring that the threaded assembly screw port in the contact is aligned with the mounting screw hole in the sleeve.
Insert the assembly screw and tighten to 10 to 12 in/lbs of torque using a flat head screwdriver. **Be careful not to over torque this screw.**
NOTE: Use a 15 series Com-a-Long tool to push contact into sleeve, if necessary.
- 10A. **For Set Screw devices:** To disassemble, reverse the process and remove contact (**refer to Step 8A**).
- 10B. **For Crimp devices:** To disassemble, reverse the process and remove contact by cutting off (**refer to Step 8B**).



Allowable Device Ampacity Chart Tableau des courants admissibles <i>Cuadro de amperaje permitido para el producto</i>		
Cable Size AWG Calibre de Câble (AWG) <i>Tamaño del Cable (AWG)</i>	75° C Cable Isolant résistant à Cable 75° C <i>Cable de 75°</i>	90° C Cable Isolant résistant à Cable 90° C <i>Cable de 90°</i>
#8	70	80
#6	95	105
#4	125	140
#2	150	150

NOTE: In open air, based on ambient temperature of 30° C (86° F).

REMARQUE : à l'air libre et à une température ambiante 30° C (86° F).

NOTA: Al aire libre, basado en temperatura de ambiente de 30° C (86° F).

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320**.

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. **For details visit www.leviton.com or call 1-800-824-3005.** This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose,** but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. **Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only)
1 800 405-5320 (Canada Only) www.leviton.com

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