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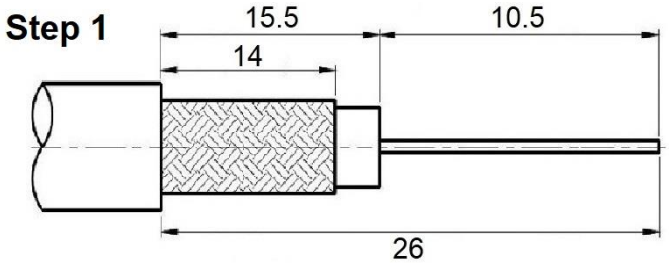
Installation Guide

Type N male, Solder-On, Cable End Connector

We will begin by installing the Type N connector on a piece of LMR-400. This process is the same for all the other types of cable that fit the Type N connector. These connectors fit on a wide range of coax types including: RG-8, RG-11, RG-83, RG-213, RG-393, LMR-400, Belden 8237, Belden 8267, Belden 9011, and Belden 9913.

Coax Stripping:

First cut your cable to the desired length and then strip the black jacket back approximately 1.02 inches. When the jacket is stripped cut the braid/foil back 0.47 of an inch from the fresh cut end. Finally, cut back the dielectric 0.41 of an inch from the fresh end down to the center conductor. The braid needs to be cut back further than the dielectric to insure that none of the braid or foil is touching the center conductor which could cause a short.



Main Body Install:

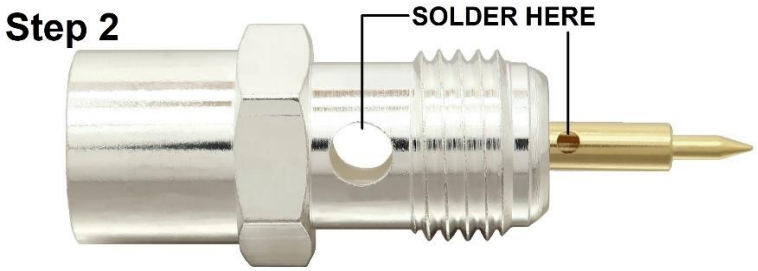
Put the main body on the end of the cable and grip it with a pair of pliers and begin screwing it to the right (clockwise) till you see the center conductor inside the solder hole of the center pin of the Type N connector itself.

FAQ #1: Why wont the center conductor go into the connector?

Answer 1: The center is bent off of center. Ensure the center conductor is perfectly straight before screwing the connector body onto the coax.

Answer 2: The tip of the center conductor was flattened by diagonal cutters when cutting the coax. To fix this, use a pair of pliers to round back out the tip of the center conductor.

Answer 3: The strands spread apart making the center conductor too large. LMR-400 coax is available in solid core and stranded versions. When cut, the strands of the stranded version can “loosen” and come separated. You will need to re-tighten the strands by twisting them back to their original diameter.



Soldering Guide:

Begin by positioning the solder hole, in the center pin, facing up. Turn on your soldering iron and allow sufficient time for the soldering iron tip to reach full operating temperature and clean the tip of the iron by wiping it with a damp sponge. Apply heat to the center pin of the Type N connector with your soldering iron by placing the “flat” of the iron underneath the pin. This allows maximum heat transfer to the pin and center conductor. Be sure the soldering iron is on the bottom side of the center pin. When the pin is heated, apply the solder to the tip of the center conductor. Allow sufficient solder to flow to seal the center conductor inside the center pin.

Once the center pin is sealed with solder, move the soldering iron to the holes on the body. Make sure to fill both of the holes with solder flush with the top of each hole. Once both holes of the connector are filled with solder let the connector cool down. When the connector is cool, screw on the other portion of the connector to complete your install.

Step 3

Final Testing:

When this is completed, as a final test, you should always check resistance from the center pin to the body with an ohmmeter in a low resistance scale. After verifying that there is no braid – to – center pin shorts on the other end of the coaxial cable, you should see infinite resistance (open).

Click the following link to obtain additional part information including price, inventory and certifications: https://mgs4u.com/product/type-n-male-solder-connector-for-0-405-inch-od-coax-7303-n-400/