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Installation Guide

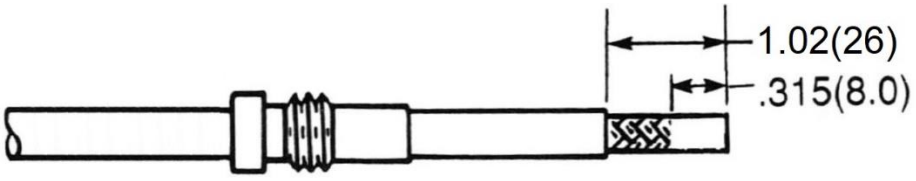
Type N male, Solder-On, Cable End Connector + UG-174 Reducer

We will begin by installing the Type N connector on a piece of RG-174. This process is the same for all the other types of cable that fit the Type N connector with a UG-174 reducer (0.100 OD Coax). These connectors fit on a wide range of coax types including: RG-174, RG-188, RG-188A/U, RG-316, RG-316/U Double Shield, LMR-100A, Belden 7805R, Belden 8216, Belden 83269, Belden 83284, Belden 84316, and other 0.100 Inch OD Coaxial cable.

Coax Stripping:

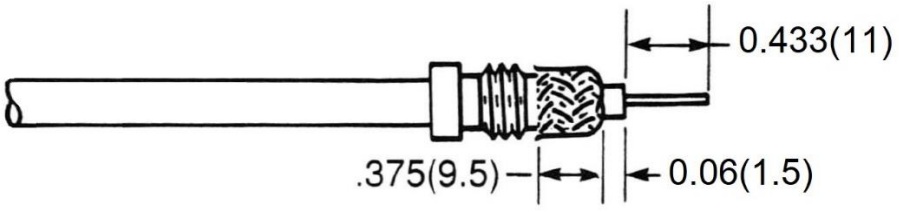
First cut your cable to the desired length and place the reducer onto the coax. Strip the black jacket back approximately 1.02 inches. When the jacket is stripped cut the braid/foil back 0.315 of an inch from the fresh cut end.

Step 1



Move the reducer up to the end of the black jacket and fold back the braid onto the reducer. If there are any strands of the braid, that make contact with the threads, trim them with small diagonal cutters. Finally, cut back the dielectric 0.433 of an inch from the fresh end down to the center conductor.

Step 2



Main Body Install:

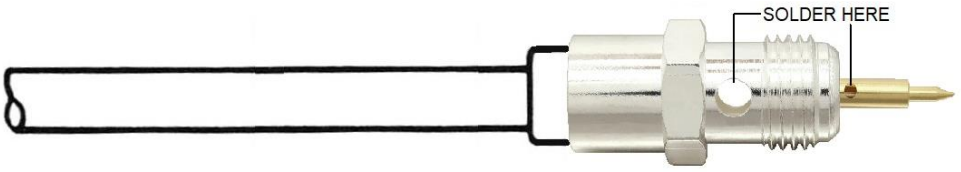
Put the main body on the end of the cable and grip it with a pair of pliers and begin screwing it to the right (clockwise) till you see the center conductor inside the solder hole of the center pin of the Type N connector itself.

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.

Step 3

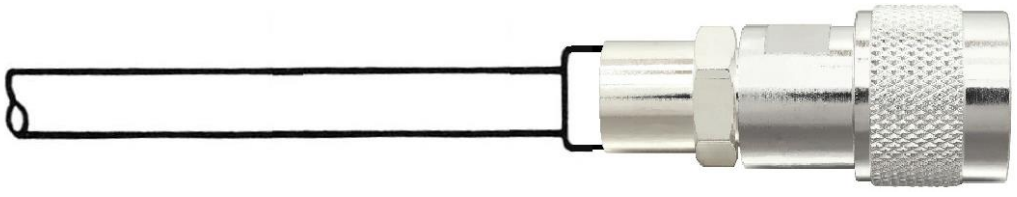


Soldering Guide:

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 4



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 are 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-ug-174-reducer-combo-for-0-100-inch-od-coax-7303-n-174/