



RADIAFLEX® Coaxial Cable Connectors

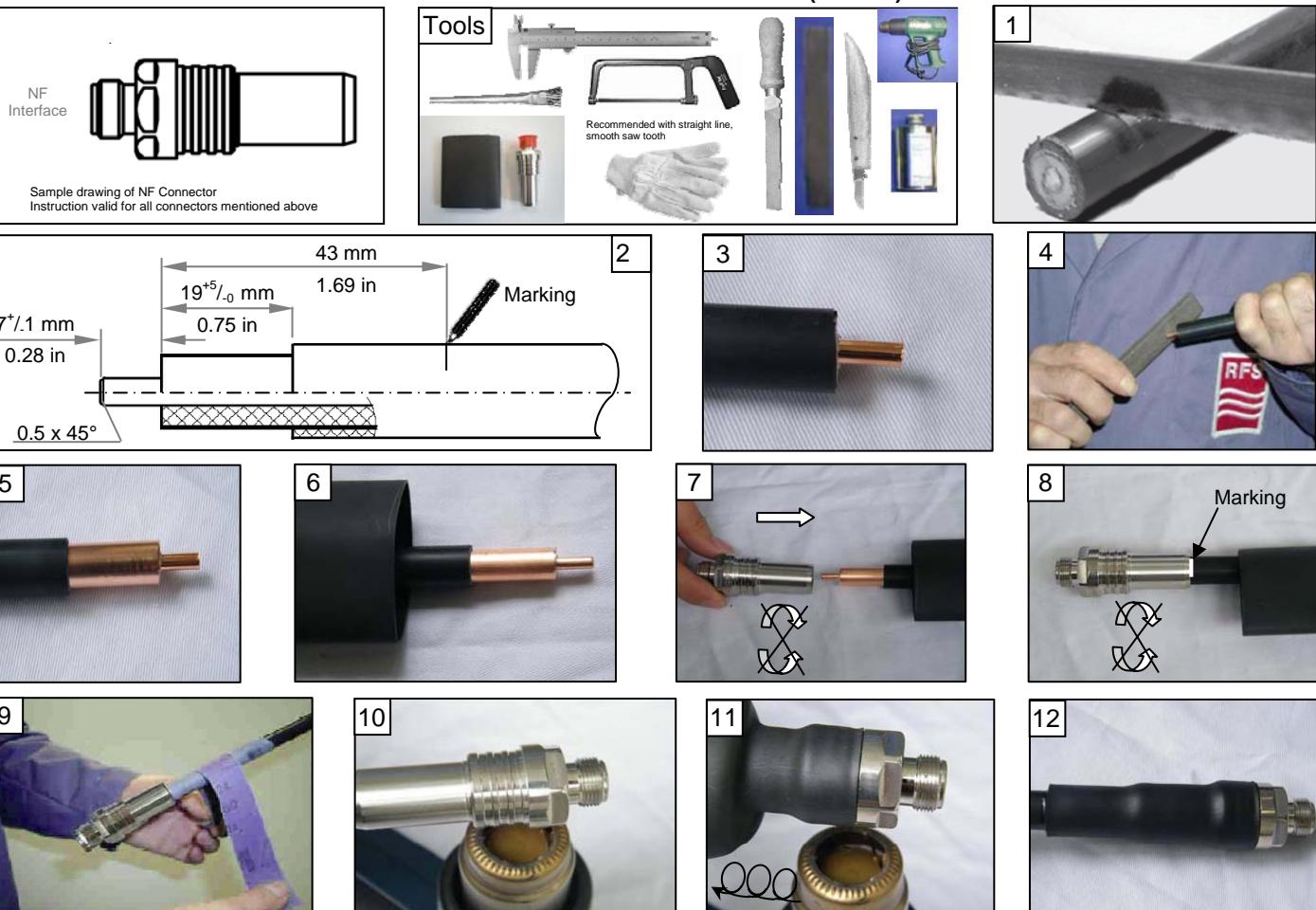
Installation Instruction

2800117-D

For RADIAFLEX® cables 12-50 with smooth wall outer conductor
Valid for Connectors: NM-RA12-011 & NF-RA12-012

This instruction is written for qualified and experienced personnel. Please study it carefully before starting any work. Any liability or responsibility for the results of improper or unsafe installation practices is disclaimed. Please respect valid environmental regulations for assembly and waste disposal. Always make sure to use appropriate personal protection!

This instruction is based on the use of standard (manual) hand tools.



Tools: Standard tools for manual installation.

1. Cut the cleaned and straightened cable in a right angle to cable axis with a fine toothed hacksaw.
2. Schematic of the RADIAFLEX®12-50 cable, with smooth wall outer conductor, showing the following stripping dimensions.
3. Cut and remove 7mm (0.28in) of cable jacket, outer conductor foil and cable dielectric in accordance to the schematic using a knife. Scrape away all foam and adhesive from inner conductor. Take care not to damage the copper plating and not to move the inner conductor out of the straight line.
4. Make a chamfer on the inner conductor with a fine file as shown on picture/schematic 2.
5. Cut and remove 19mm (0.75in) of cable jacket in accordance to the schematic.
Caution: Do not cut into the outer conductor foil when cutting cable jacket! If the outer conductor foil is deformed, then smoothen it (e.g. with the wooden part of the knife). Clean the prepared cable end, remove any particles very carefully. It is recommended marking the connector end position onto cable jacket as shown in the schematic 2 (43mm / 1.69in).
6. Slide the heat shrink sleeve onto the clean cable, keep the sleeve clean.
7. Push the connector onto prepared cable without any turning.
8. Push connector onto cable until stop. Make sure that the connector is completely pushed onto the cable – until the marking.
Caution: Never turn the connector!
9. Rub down the cable jacket in the cleaned area of intended installation with emery cloth (280 grain). For inspection reasons it is recommend to rough up approximately 20mm more than necessary. Remove emery cloth remnants. Clean the cable jacket and the connector in the shrinking zone e.g. with cable cleaner.
10. Pre-heat the cable jacket to hand warm and the connector to approx. 60°C (140°F) using an efficient hot-air gun.
11. Move the sleeve into correct position as shown. Shrink the sleeve with a circular motion, starting at the end at the connector body. Shrink this front part until the sleeve lies flat completely all around.
12. The sleeve is shrunk further by continued application of the hot-air gun with an even circular motion proceeding in the direction of the cable. Keep the gun always moving to avoid overheating the sleeve or the cable - max. temperature 70°C (158°F) shrinking temperature is around 130°C (266°F). Continue shrinking until the sleeve lies flat all around and the hot solvent discharged (is visible) on both sides. Make sure that the connector will stay in place all the time.



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