

RF and Microwave Cable sets supplied by us are precision components. They require correct handling by users in order to have long service life and consistent performance over the lifetime.

1) Minimum Bend Radius:

RF/Microwave Cable sets have a minimum bend radius which should not be exceeded during usage. Exceeding the minimum bend radius will lead to permanent damage to the cable.

2) Avoid Tensile Pulls:

RF/Microwave Cable should not be used to pull around the equipment.

3) Avoid Kinking:

When straightening cables from a coil form ensure that you do not kink them

4) Clean Environment:

Keep the cables in a clean environment, especially avoid any particles that could enter the connector interface

5) Use Connector Caps:

When our microwave cable sets are not in use, we highly recommend to keep the interfaces covered with dust caps supplied along with the cable sets

6) Cleaning of Connector Interface:

In case the connector interface gets contaminated cleaning could be done with dry swabs or with *dry* compressed air. Do NOT use any solvents or use any normal compressed air.

7) Align the Connectors Before Mating:

RF connectors due to their design have play in the coupling arrangement – therefore it is recommended to align the centers and then torque. Trying to 'push' an unaligned connector can result in bent pins, bending of socket contacts of connectors.

8) Mating of Connector:

While tightening connectors turn only the coupling nut while holding the connector body. This avoids any twisting force on the cable and also no unwanted transfer of torque to the cable set.

9) Connector Torque :

Use professional torque wrench to tighten the connectors – they ensure that torque is to the specified value and there is no over-torque. Tighten with torque wrench slowly – doing it fast may over-ride the limiting capability of torque wrench. Do not tighten again once the wrench is snapped. (Some of the problems associated with over-torque are recessed or protruding pins, dielectric, damage to coupling threads and bending of pins)

10) Avoid Excessive Pressure :

Avoid crushing or putting heavy objects on microwave cable sets.