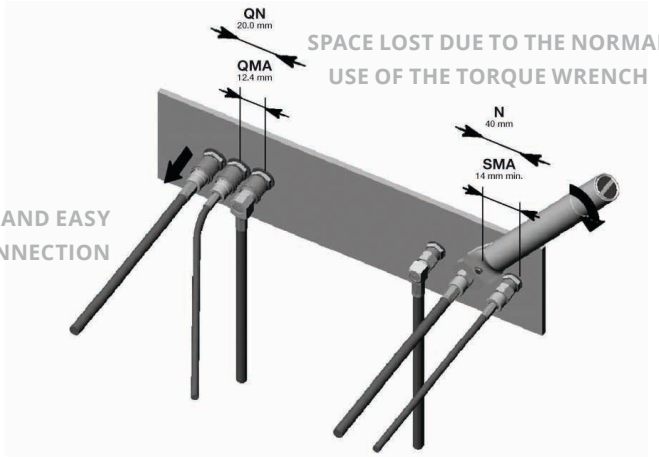
INTRODUCTION

SPACE SAVING

QN and QMA connectors have a lower space requirement since space for the use of a torque wrench is not necessary. Therefore the distance between connectors is optimized on the panel.



QMA SERIES

The QMA series with Quick-Lock Formula™, is the innovative patented snap-on generation of brass SMA connectors. With the same interface dimensions, QMA connectors have the identical high electrical performance as the SMA series with an easier and faster mounting design. The QMA series is a cost effective solution for the new generation of base stations. The QMA series is designed for DC to 18 GHz. This series features 100 matings and total reliability as the standard commercial SMA connectors. They are fast and easy to connect and disconnect. The new QMA series offers a large range of connectors: straight and right angle plugs, bulkhead jacks, flange receptacles, PCB receptacles, adapters and more. Models are either full crimp, crimp or solder type for flexible, semi-rigid or conformable cables.

WATERPROOF QMA SERIES

Radiall expands its QMA product line with new high density RF coaxial Waterproof QMA (WQMA) connector solutions with fast and easy snap-on Quick Lock technology. WQMA connectors offer outstanding electrical performance and have environmental characteristics that provide for long lasting durability needed for the most demanding harsh outdoor applications, thus eliminating the need for costly and bulky watertight enclosures or cable entries.

Waterproof QMA CONNECTORS are fully intermateable and backward compatible with any QLF™ certified standard QMA connectors and they provide for excellent ingress protection.

- IP 68 rating when mated
- 100 matings minimum for durability
- Wide temperature range -40°C / +105°C
- Power rating 200W @ 1 GHz, 75°C

QN SERIES

Offering the same operating frequency range between DC and 11 GHz as the N series, the new QN series performance has been optimized from DC to 6 GHz for 50Ω applications. The new QN interface typically features a VSWR of 1.05 from DC to 3 GHz and 1.12 from 3 to 6 GHz. The corresponding return loss is 32 dB from DC to 3 GHz and 25 dB from 3 to 6 GHz. The high screening effectiveness enables a level of RF leakage as low as -90 dB from DC to 3 GHz and -80 dB from 3 to 6 GHz.

Designed for indoor and outdoor applications such as BTS, antenna systems or test and measurement devices, QN connectors offer an outstanding intermodulation level (-155 dBC / -112 dBm) and IP rating (water and dust protection). The power rating is 300 W at 2.5 GHz and features 100 matings.