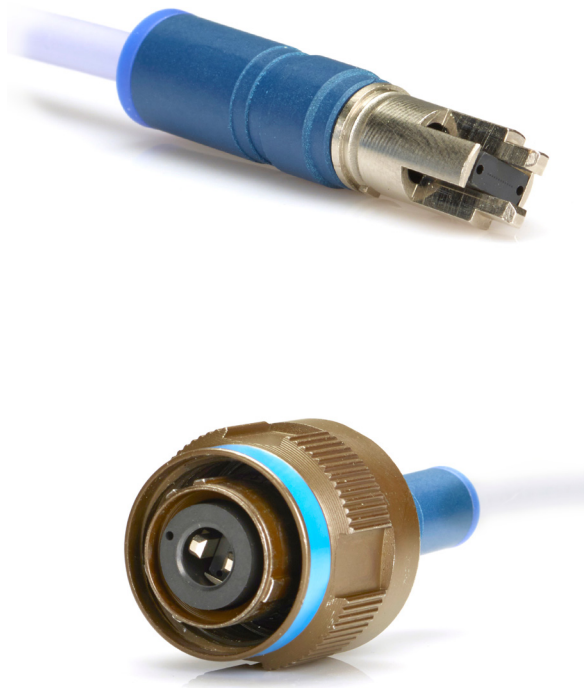




# Q-MTitan™

Ruggedized high density solution to fit standard quadrax cavity

**Q-MTitan™ protects an MT ferrule and fits inside size 8 Quadrax cavities to provide high density optical connectivity in harsh environments.**



Radiall's MTitan™ series is a complete range of high density fiber optic interconnect solutions for aerospace and military applications. Product solutions within the MTitan™ series feature an innovative design to protect an MT ferrule and provide ruggedized multichannel interconnects in a small package.

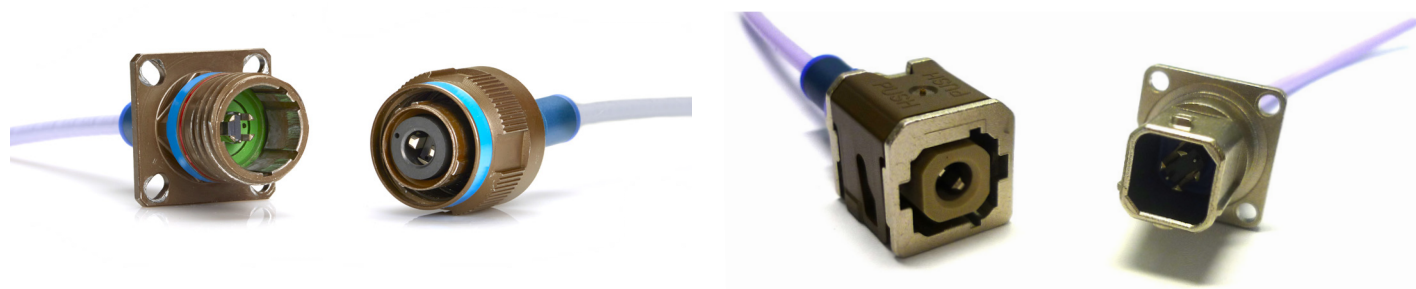
The Q-MTitan™ contacts bring multi fiber capability through one standard size 8 quadrax cavity. Q-MTitan™ provides excellent cable retention and sealing level on round multi-fiber cables. This innovative series can withstand high temperature ranges and vibration levels, which enables the use of an MT optical ferrule in harsh environments. Its scoop proof design ensures the protection of the optical end face even in difficult mating conditions.

This innovative product range extends Radiall's capability to provide customers with a fiber optic end-to-end solution: from active transceivers to complex optical systems.



**Q-MTitan™ offers 12 fiber optic channels in a size 8 Quadrax cavity.**

*Ruggedized high density solution to fit standard quadrax cavity*



Q-MTitan™ is available as an individual kit or pre-terminated cable assembly designed and manufactured based on customer specifications. To meet a wide range of applications, Q-MTitan™ features several versions that fit in size 8 Quadrax cavities for a variety of multipin connectors, including: MIL-DTL-38999, Quick Fusio™, NSX ARINC 600, EPX®, EN4165, and EN3545.

#### Excellent performance\*:

- Temperature range: -55°C to +125°C
- Durability: 200 mating cycles
- Vibration: 35 Grms

\* cable and connector dependent

### Features & Benefits

- Easy retrofit of single size 8 Quadrax cavity into 12 or 24 fiber optic channels
- High density optical contact compatible with ribbon and round cable
- Protection of the MT ferrule for a ruggedized and sealed optical connection (IP67)
- Innovative and user friendly solution: insertion & extraction using size 8 extraction tool
- Convenient and efficient visual inspection and cleaning kits available

### Applications

- For all applications requiring high density and/or high count of Fiber Optic channels, such as:
  - » Radars
  - » IFE (In Flight Entertainment)
  - » Displays