

FORTERO

Ultra-Rugged Connector for
Ribbon Fiber Connections



The Fortero exceeds MIL-DTL38999 performance standards and adds ribbon fiber capability for demanding defense applications.

- Based on the durable connector used for high-speed train exteriors
- IP68 waterproof (10 meters deep for 12 hours)
- New shielding and protection accessories include sealed, crush-proof hoses secured by the connector
- Flame retardant insulators and seals
- Simple construction for easy assembly and disassembly
- Sustains higher axial pressure and vibration than current 38999 style connectors
- Greater resistance to sun and industrial fluids
- Better sealing against salt spray and dust (seals out 2 μ M particles)
- Easily handles 2 meter drop shock while connected and transmitting

FEATURES & BENEFITS

- *Enhanced crush resistance: withstands truck runovers and being stepped on*
- *Improved shock and vibration resistance: withstands dragging across decks or roads without damage*
- *Superior water sealing: unaffected by oceans or puddles*
- *Exceptional dirt and dust sealing: protects fiber from contamination*

APPLICATIONS

- *Shipboard sensor and communication networks*
- *Shipboard and land-based testers*
- *Aircraft data system up and downlink connectors*
- *Land-based radars and sensors*
- *Land-based forward and deployable data centers*
- *Land-based Satcom terminals*



The Fortero, based on a high-speed rail connector, is designed for high vibration, impact and extreme environments, making it ideal for the defense industry.

- Has MIL-STD-38999 series III size 17 backshell, allowing compatibility with accessories from any vendor
- Features a MIL-STD-38999 series III size 17 panel mount, fitting the same cutout as competitor 38999 style 4 MT connectors
- Complies with marine MIL-PRF-28876 connector test requirements
- Current solution has 4 MT ferrules with up to 96 multimode fiber lines
- Future designs will feature up to 12 MT ferrules with up to 288 multimode fiber lines
- Robust bayonet system with stainless steel pins: stays locked in all conditions, with visual, audible and tactile indicators
- Rated for 500 mating cycles in standard form, with options up to 2,000