

TERMINATIONS & INTEGRATED HARDWARE

MECHANICAL END FITTINGS &
INTEGRATED HARDWARE FOR
SYNTHETIC ROPES

Cortland is among a select group of companies worldwide capable of delivering high-performance fiber rope assemblies with trusted mechanical end fittings and integrated hardware.

While high-performance fiber rope offers numerous operational advantages, its broader adoption has historically been limited by termination and connection methods, which were often restricted to knots or splices. These traditional approaches can constrain efficiency, repeatability, and scalability, particularly in large-diameter rope applications.

Performance fibers used in heavy-duty rope applications provide significant benefits over steel, including dramatically reduced weight, non-corrosive properties, ultra-low electrical conductivity, and safer, easier handling. Additional advantages include improved efficiency in task-oriented operations, elimination of grease or lubrication, increased damping with reduced impact loads, and a lower environmental footprint. Realizing these benefits at scale, however, depends on overcoming the limitations associated with fiber rope terminations, especially in demanding industrial environments.

To address this challenge, Cortland International has partnered with Applied Fiber Technologies to enable reliable, high-performance fiber rope connections. By utilizing Applied Fiber's proven termination designs, proprietary processing equipment, and fiber socketing technology, Cortland manufactures synthetic fiber rope assemblies that deliver consistent, repeatable, and highly efficient performance—unlocking the full potential of fiber rope in heavy-industry applications.

Solutions include

- Eyes
- Forks
- Ball ends
- Cylinder stops
- Threaded stops
- Threaded studs
- Toggle ends
- Swivel eyes
- Clevis and pin
- Integrated turnbuckles
- Rotating / swiveling and pivoting connections
- In line pre-tensioning devices
- Quick connection attachments
- Quick release attachments
- Mid-span connections
- Cable bend reliefs
- Chain and strap connections
- Standard wire connections
- Swage fitting connections

Please email contact@cortlandinternational.com for an initial discussion or visit us online at cortlandinternational.com.

