

Gel-Free Loose Tube Fiber Optic Cables

DataTuff™ and RailTuff™ cables for indoor/outdoor installations

Product Bulletin

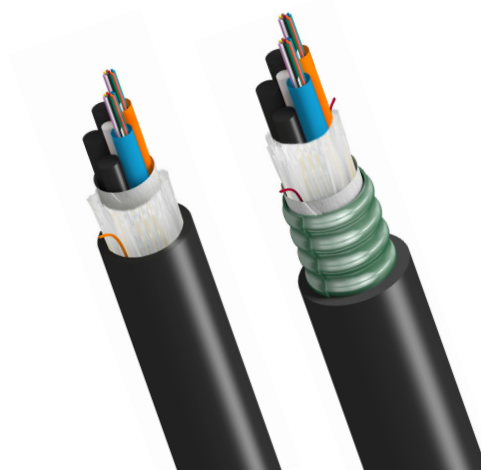


Belden's DataTuff and RailTuff dry tube fiber optic cables speed installation time and lower implementation costs with a compact, rugged design that delivers reliable, robust connectivity.

- **Ready-to-install:** Gel-free design eliminates time required to prepare cable for installation, lowering implementation costs
- **Optimizes space utilization:** Smaller tube diameter delivers data even in tight spaces
- **Built to perform:** Rugged construction for harsh environments – indoors and outdoors
- **Interoperable:** Works with standard industrial networking products
- **Readily available:** Ships fast, eliminating project delays

Key features

- Gel-free design
- Smaller diameter tubes
 - Multi-Loose Tube (MLT)
 - 11% smaller (2.5mm)
 - Central Loose Tube (CLT)
 - 26% smaller (2.8mm)
- Easy-to-remove threads ensure fast installation
- Designs utilize 250 µm fibers, with fiber counts ranging from 2 to 288
- Riser and outdoor rated
- Aluminum interlocked armor or steel corrugated armor options available



Your benefits

Belden's family of gel-free loose tube fiber optic cables are the industry's preferred solution for indoor/outdoor installations, and include:

- RailTuff™ Gel-Free Fiber Optic Cable
- DataTuff™ Gel-Free Fiber Optic Factory Cable
- DataTuff™ Gel-Free Fiber Optic Tray Cable

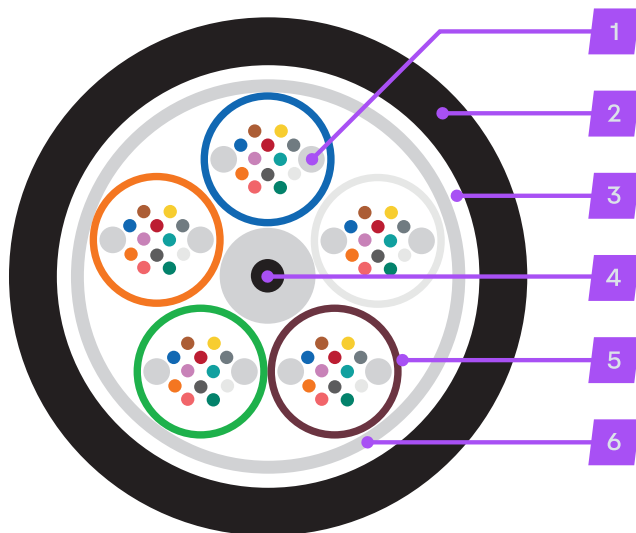
The cables meet industry standards and certifications, making them compatible with a variety of industry components. The compact, dry tube design reduces both installation time and cost, and delivers data – even in tight spaces.

Applications

Belden's gel-free loose tube fiber optic cable products are designed for harsh indoor and outdoor environments. Their rugged constructions withstand environments where weather, chemicals, or water threaten performance.

Markets

Belden's gel-free loose tube fiber optic cables are ideal for industrial environments, including discrete and process manufacturing, oil and gas production, wind farms, mass transit systems, and food and beverage manufacturing.



- 1 Moisture Blocking Agent¹
- 2 Outer Jacket
- 3 Aramid Strength Members
- 4 Central Strength Member
- 5 Buffer Tube
- 6 Waterblocking Tape

¹Our design incorporates two or more water blocking yarns located between the outside of the fiber bundle and the inner wall of the loose-tube, but not within the fiber bundle itself so as to protect the outside of the fiber bundle, and thus prevent water penetration along the length of the loose-tube.



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