

Custom Fiber Optic Cables



Article Overview

Custom fiber optic cables can be tailored to any specification, including fiber type, connector, jacket, length, and environmental rating, with options for OEM branding and rapid delivery.

Overview of Customization Options

Custom fiber optic cables allow you to design cables to meet specific network or industrial requirements. Key customizable features include:

- Fiber Type and Modality: Singlemode (OS2) or Multimode (OM1, OM2, OM3, OM4, OM5) depending on bandwidth and distance requirements .
- Connector Types: LC, SC, ST, FC, MTRJ, MPO/MTP, APC, UPC, and specialty connectors for high-density or precision applications .
- Cable Jacket and Rating: Indoor, outdoor, armored, tactical, plenum (OFNP), riser (OFNR), aerial, or tight-buffered options for environmental protection .
- Fiber Count and Length: From 1 to 48 fibers or more, with lengths customized to exact project needs .
- Special Features: Breakout lengths, pulling eyes, micro-distribution, bend-insensitive fibers, and ruggedized or armored assemblies for harsh environments .

Manufacturers and Providers

Several companies specialize in custom fiber optic cables:

- Corning / CommScope: Ideal for large-scale enterprise or government projects, off...

Article Content

How to Order Custom Fiber Cables in Canada: Specs, Turnaround

Ready to order custom fiber optic cables in Canada or the USA? Use our fill-in-the-blank spec template, check real

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We are extremely knowledgeable and experienced with all forms of fiber data transfer cables and

Fiber Optic Cables | Fiber Patch Cables | Patch Cords,

FCD offers TAA Compliant and Made in the USA fiber optic cables. We can custom build any length and

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Thorlabs stocks the largest selection of single mode and multimode optical fibers in the photonics industry.

Custom Cables

We will build Fiber Optic Multi-strand Assemblies and other cables to your specifications, right down to printing on the sleeves, at the

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Custom Cable Assemblies Streamline your installation process with Fibertronics" precision-engineered indoor custom cable

Customized Fibre Optic Cables

FS offers Fibre Patch Cable & Multi-Fibre Breakout Cable with custom connectors like LC/SC/FC/ST/MU/LSH/MTRJ, for low loss or

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Fiber Optic Cable

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Tell us your fiber optic cable requirements so we can design and manufacture custom, made-in-the-USA fiber optic cables ideal for

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Amphenol Custom Cable

Amphenol Custom Cable provides high quality connectivity solutions, products, and installation services—from concept to

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Custom Fiber Optic Cable Assemblies

We build premium quality custom fiber optic cables, specializing in trunk cables and

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Fibertronics, Inc. is an SBA certified woman-owned small business providing USA manufactured

Top 5 Custom Fiber Optic Cables Manufacturers (2026)

Who makes the best custom Fiber Optic Cables? We compare the Top 5: Corning vs. FS vs. Wolontek.

Custom Fiber Cables

Get Your Custom Fiber Cables from Infinite Cables Infinite Cables stocks a large volume and variety of fiber optic patch cables. In

Custom Fiber Optic Cables in Less Than 3 Weeks

Custom Fiber Optic Cables Application Focused Design OptoSpan offers custom designed and purpose-built fiber optic cables. Our

Custom Fiber Optic Cables | Fiber Optic Cable Calculator

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