

Article Overview

High-temperature resistant fiber optic cables are available from Iranian manufacturers like SADRA Company and FARAVID Co., offering direct supply with specialized coatings for harsh environments.

Iranian Suppliers

- o SADRA Company: Based in Tehran, SADRA distributes a wide range of fiber optic cables including single-mode (SM), multi-mode (MM), NZDS anti-acid coated cables, and outdoor/indoor variants with 12, 24, and 48 cores. They also provide patch cords, pigtails, and specialized fiber optic equipment, with nationwide delivery across Iran .
- o FARAVID Co.: Offers communication solutions including fiber optic technologies with competitive pricing and innovative products suitable for industrial and telecom applications .
- o Other notable manufacturers: SINET, Asiatech, Fanava DP, and FlipNet provide high-speed fiber optic solutions and infrastructure support in Iran .

High-Temperature and Harsh Environment Specifications

For applications requiring high-temperature resistance and durability in aggressive environments:

- o Temperature Range: Optical fibers can operate from -190°C up to +385°C depending on the coating material, such as polyimide, silicone, or high-temperature acrylates .
- o Coatings and Protection: Hermetic coatings prevent hydrogen, moisture, and acid ingress, ensuring long-term reliability in harsh conditions .
- o Cable Types: Options include ADSS (All-Dielectric Self-Supporting) for overhead lines, OPGW (Optical Ground Wire) for combined grounding and communication, and armored waterproof cables for direct burial or duct applications .
- o Standards Compliance: Many cables meet IEC 60794, IEEE 1222, and RoHS standards, ensuring quality and safety in industrial and outdoor deployments .

Applications

These cables are suitable for:

- o Telecommunications and data transmission in extreme climates
- o Industrial monitoring including oil & gas, geothermal, and chemical plants
- o High-temperature environments where standard fiber optics may degrade
- o Outdoor installations exposed to UV, wind, humidity, or corrosive chemicals

Direct Supply Considerations

- o Contacting SADRA Company or FARAVID Co. directly allows for custom orders, including specific core counts, coatings, and cable lengths.
- o Ensure the selected fiber optic cable matches the temperature, chemical, and mechanical requirements of your project.
- o Verify delivery and support options for nationwide distribution within Iran . By sourcing from these Iranian manufacturers, you can obtain high-temperature resistant, anti-critical fiber optic cables suitable for demanding industrial and telecom applications, with direct supply and technical support.

With a rich heritage of advanced R&D, ZTT leverages cutting-edge technology to deliver custom fiber optic cable solutions. Our

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Explore how to select the right fiber optic cable for challenging environments including high

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CableWholesale 1000ft Black 12-Strand Fiber Optic Cable OM4 Multimode 50/125, Corning ClearCurve, Plenum Rated, High-Speed

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R+D Photonics is a supplier of fibre optic cables with a premier focus on research and development of custom-designed solutions to

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A fiber optic Linear Heat Detection system essentially consists of the interrogator unit and the sensor element, i.e. the fiber optic



Iranian Anti-Critical Fiber Optic Cable

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Small drones controlled by fiber-optic cables have turned parts of the battlefield into webs, a

Explore 19 top manufacturers and suppliers of High-Temperature Fiber Optic Cable in our comprehensive photonics buyers" guide.

Saba Cable is a leading Iranian manufacturer and exporter of fiber optic cables, micro cables, patch cords, and structured cabling

Optcore

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