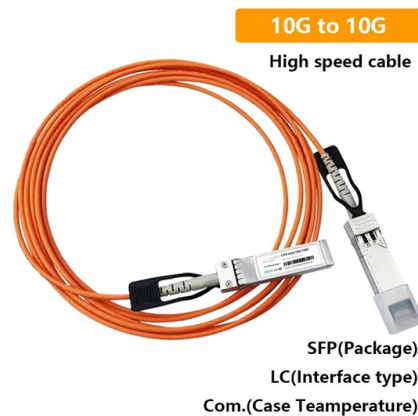


UAE Pre-stretched Optical Cable Manufacturing



Overview

Naficon Fiber Optic Manufacturing LLC in Dubai, UAE serves as a major Manufacturing and Supply Centre in the Middle East.

Key Takeaways

The UAE hosts several advanced manufacturers of pre-stretched and ADSS optical fiber cables, including Naficon, AFOC, and other leading regional suppliers, offering ISO-certified production and high-capacity facilities. Key Manufacturers and Capabilities



Naficon Fiber Optic Manufacturing LLC in Dubai is a major player in the Middle East, providing a wide range of fiber optic products for telecom, FTTH, and data center networks. The company is ISO 9001 certified and leverages over 30 years of experience from its parent company in Finland, ensuring high-quality manufacturing and local supply capabilities. AFOC Fiber Optical Cables, based in Umm Al Quwain, UAE, specializes in high-performance optical fiber cables, including pre-stretched and ADSS designs. Their fully automated plant can produce cables ranging from 1 fiber to 576 fibers, with an annual capacity exceeding 24,000 kilometers. The facility uses advanced coloring, buffering, stranding, and sheathing equipment, and maintains ISO 9001:2015 and ISO 14001:2015 certifications. AFOC also operates a state-of-the-art R&D and testing lab to ensure compliance with global standards and support future network upgrades. Optimal Connectivity LLC, headquartered in Dubai, provides specialized fiber optic solutions for industrial, energy, and infrastructure applications. While primarily a distributor, they offer customized pre-stretched cable solutions and technical support for complex deployments across the GCC and MENA regions.

Pre-Stretched and ADSS Cable Technology

Pre-stretched optical cables, including ADSS (All-Dielectric Self-Supporting) cables, are designed for aerial deployment without metallic support, offering high tensile strength and minimal elongation under load. These cables are ideal for power line corridors, telecom networks, and outdoor installations where environmental stress and long spans are factors. UAE manufacturers integrate advanced polymer compounds and precise stranding techniques to ensure durability, low attenuation, and long-term reliability.

Industry Overview

The UAE's fiber optic manufacturing sector emphasizes:

- High-quality raw materials sourced globally
- Automated production lines for precision and efficiency
- ISO-certified quality management systems
- Customizable fiber counts and cable designs to meet client requirements
- R&D and testing facilities to support innovation and compliance with international standards

Conclusion

For organizations seeking pre-stretched or ADSS optical cables in the UAE, companies like Naficon, AFOC, and Optimal Connectivity provide robust manufacturing capabilities, ISO-certified quality, and technical expertise. These manufacturers support both current telecom and data center needs while enabling future network expansions and technology upgrades.

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