ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Papua New Guinea Technical Support Fiber Optic Cable 24 Cores



Overview

As a leading supplier of fiber optic cables near Port Moresby, we maintain ready stock optimized for the local 240V infrastructure.

Key Takeaways

24-core ADSS fiber optic cables are available in Papua New Guinea with local technical support for installation, splicing, and network integration.Cable Specifications and Features

The 24-core ADSS (All-Dielectric Self-Supporting) fiber optic cable is designed for high-voltage transmission line deployment without requiring electrical grounding. It features a loose tube stranded structure filled with water-blocking compounds, reinforced with two layers of aramid fibers, and protected by a polyethylene or electric tracking resistant outer sheath. This design ensures high tensile strength, excellent tracking resistance, and durability under environmental stress such as wind, ice, and temperature variations. The cable can span over 1000 meters between supports, making it suitable for long-distance transmission lines and power infrastructure integration .

Local Suppliers and Technical Support

Several companies in Papua New Guinea provide both the 24-core fiber optic cables and professional support for deployment:

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• Cetelnet (Port Moresby): Supplies single-mode and multi-mode fiber optic cables, patch cords, splice enclosures, and installation tools. Their technical team offers guidance on selecting compatible products and ensures proper installation for both indoor and outdoor applications .

• East Coast NetLink: Offers fiber optic connectivity solutions, including network design, installation, and 24/7 technical support. They provide services for businesses, government agencies, and remote areas, including satellite backup and point-to-point links, ensuring reliable and secure data transmission .

• Voltran Engineering: Specializes in OPGW and ADSS fiber optic cable design, splicing, and testing. They provide engineering services for high-voltage and low-voltage transmission lines, ensuring optimal performance and safety. Voltran also supplies fiber accessories, junction boxes, and cable trays for seamless network integration .

• PNG DataCo: Operates the National Transmission Network (NTN) with over 7000 km of terrestrial and submarine fiber optic cables. They provide wholesale connectivity, redundancy, and point-to-point services across 20 provinces, supporting broadband, voice, and video services .

Applications

The 24-core ADSS fiber optic cable is widely used for:

• Telecommunication networks along high-voltage transmission lines

• Corporate and government data networks

• Broadband and internet backbone infrastructure

• Remote and rural connectivity, leveraging existing power line towers for fiber deployment

Installation and Maintenance

Technical support includes:

• Fiber splicing and testing to ensure high-quality connections

• Network design and planning for optimal routing and performance

• On-site installation guidance for aerial, underground, or pole-mounted deployments

• Ongoing maintenance and troubleshooting to maintain signal integrity and network reliability These services ensure that projects using 24-core ADSS fiber optic cables in Papua New Guinea are efficient, reliable, and compliant with international standards. For procurement, technical guidance, and installation support, contacting Cetelnet, East Coast NetLink, or Voltran Engineering is recommended to ensure compatibility with your project requirements and local conditions.

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Article Content

Fiber Optic Cables Near Port Moresby, Papua New Guinea

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PNG DataCo Coverage – PNG DataCo

DataCo operates and maintains an extensive network of over 12,000km of fiber optic cable both internationally and locally. In

East Coast Group Ltd

East Coast NetLink provides fiber optics connectivity solutions for businesses and organizations in Papua New Guinea. We offer high

Leading Fiber Optic Supplier Port Moresby

We''re committed to powering Papua New Guinea''s digital future with high-performance fiber products and customized solutions.

Leading Fiber Optic Supplier Papua New Guinea

Cetelnet supplies and supports fiber optic infrastructure that helps close the digital divide in both urban and rural areas of Papua New

The System | Enhance Connectivity Today — Coral Sea Cable Company

The 4700 km Coral Sea Cable System is a 40Tbps submarine fibre optic cable that brings next-generation connectivity to the people

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Coral Sea Cable System project marks key milestones

The 4,700km Coral Sea Cable System under construction by Vocus, has

All provinces to be connected by fiber optic cables next year

System Two of the undersea submarine cable between Port Moresby and Madang is expected to be launched in February next year.

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PNG DataCo''s ambitious roadmap for the internet in Papua New Guinea

As telecommunications connectivity reaches 80 per cent of Papua New Guinea''s population, Business Advantage

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Ready to Source Fiber Optic Cables Near Port Moresby? Contact our Pacific Islands team for immediate availability, pricing, and

Coral Sea Cable System

The Coral Sea Cable System (CS2) is a 4700 kilometre-long fibre optic submarine telecommunications cable that

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Project highlights The Coral Sea Cable System (CS2) is a 4,700 km fibre-optic submarine telecommunications cable that links both

Coral Sea Cable System (Australia Papua New Guinea Solomon

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Coral Sea Cable Company

The Coral Sea Cable System is a 4700km long fibre optic submarine cable system linking Sydney, Australia, to Port Moresby, Papua

Mini Data

The test results (per outlet/cable installed) will be documented and presented to the customer for verification before

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About Us – PNG DataCo

To make the NTN available on a wholesale and nondiscriminatory basis to all licensed industry operators to stimulate and foster

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Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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