

Frequency: 144 MHz / 430 MHz
Band width: 3 MHz / 10 MHz
Gain: 6.0 dBi / 8.0dBi
Length: 250cm

The diagram illustrates a repeater system. On the left, a schematic shows a base station (tower) and a mobile station (car) communicating with a repeater (tower) via radio waves. The repeater is labeled 'Repeater'. On the right, a photograph shows the physical antenna assembly, which is a long, thin, vertical rod with a small antenna at the top. Below the antenna, a spectrum analyzer display is shown. The display has a grid and shows a signal trace. The top of the display shows 'CH1 MHz' and 'SWR'. The bottom of the display shows 'START' and 'STOP' markers. The signal trace shows a series of peaks and valleys, indicating the frequency response of the antenna.

Fiber Optic Cables in Kenya & East Africa | FlexFiber™ Shop high-quality Fiber Optic Cables in Kenya & East Africa. FlexFiber™ offers singlemode, multimode.

ODM outdoor multimode fiber optic drop cables are available in Kenya from multiple suppliers, offering high-performance, durable solutions for outdoor networking and FTTH deployments.

Outdoor multimode fiber optic drop cables are designed to connect end-users to the main fiber network, providing high-speed data transmission over short to medium distances. Multimode fiber (MMF) has a wider core than single-mode fiber, allowing multiple light modes to propagate, which is ideal for local area networks (LANs), FTTH, and building-to-building connections. These cables are typically UV-resistant, water-proof, and flame-retardant, making them suitable for harsh outdoor environments.

Core Count: Commonly available in 2-core, 6-core, or more, depending on network requirements. Construction: Includes a central strength member (often steel or aramid yarn) for tensile strength, surrounded by a protective sheath (PVC or LSZH) to resist environmental damage. Lengths: Standard lengths range from 1 km to 2 km for drop cables, with bulk spools available for larger installations.

Performance: Supports high-speed optical networks, low attenuation, and is compatible with standard multimode equipment operating at 850 nm or 1300 nm wavelengths. **Safety:** Many cables are low smoke, zero halogen (LSZH), and flame retardant, ensuring compliance with safety standards.

Suppliers in Kenya

Treline Networks – Offers a variety of outdoor fiber optic solutions across Nairobi, Mombasa, Kisumu, Nakuru, and Eldoret, with delivery across East Africa.

City Telecommunication Centre (CTC Kenya) – Provides 2-core FTTH outdoor drop cables with steel strength members, suitable for aerial or indoor/outdoor transitions.

Brighttech Networks – Stocks 6-core multimode and single-mode outdoor cables, UL-rated, RoHS-compliant, and suitable for long-distance high-speed installations.

Hubtechshop – Supplies both single-mode and multimode fiber optic cables, along with connectors, patch cables, and media converters.

C

P Cables Ltd – Offers high-quality outdoor fiber optic drop cables designed for durability and consistent performance, with various lengths and connector options.

Installation Considerations

Ensure proper tensile strength for aerial installations. Use waterproof and UV-resistant sheaths for outdoor exposure. Maintain bend radius limits to prevent signal loss.

Consider connector type and compatibility with existing network equipment.

Conclusion

Kenya has a robust market for ODM outdoor multimode fiber optic drop cables, with multiple suppliers offering durable, high-performance options suitable for FTTH, LAN, and other outdoor networking applications. Choosing the right cable depends on core count, distance, environmental conditions, and network speed requirements. Suppliers like Treline, CTC Kenya, Brighttech, Hubtech, and CP Cables provide reliable options with professional support and delivery services.

Article Content

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