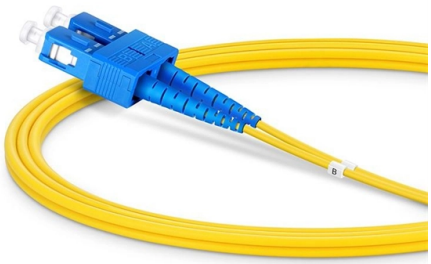
Huijue Optical Cable Model Parameters



Overview

Indoor Fiber Optic Cable The products support G652D/G657A single-mode and multimode OM1/OM2/OM3/OM4 fibers in Simplex and Duplex configurations with flexib.

Key Takeaways

Huijue optical cables are available in single-mode and multi-mode configurations, with core counts ranging from 2 to 48, designed for telecom and optical distribution networks.

Cable Types and Core Counts

Huijue manufactures drop cables and distribution cables suitable for both indoor and outdoor applications. Common configurations include 2-core, 8-core, 12-core, 24-core, and 48-core optical fibers, accommodating both single-mode (SM) and multi-mode (MM) fibers. These cables are used in optical distribution networks (ODN), including jumperless cross-connect cabinets, fiber distribution boxes, and termination boxes.

Fiber SpecificationsSingle-mode fibers typically have a core diameter of 8–10 µm and are optimized for long-distance transmission with low attenuation. Multi-mode fibers usually have a core diameter of 50 µm or 62.5 µm, suitable for shorter distances and high-bandwidth applications. Standard optical parameters include attenuation ≤ 0.35 dB/km at 1310 nm and ≤ 0.22 dB/km at 1550 nm for single-mode fibers, while multi-mode fibers have slightly higher attenuation values.

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Cable Construction

Huijue optical cables are designed with durable outer jackets, often LSZH (Low Smoke Zero Halogen) or waterproof materials, to ensure safety and environmental resistance. The cables may include strength members such as aramid yarn or metal rods for tensile strength and protection against mechanical stress.

Applications

These cables are widely used in: Telecom networks for fiber-to-the-home (FTTH) deploymentsData centers and enterprise networksOutdoor and indoor optical distribution networksIntegration with Huijue ODN products, including cross-connect cabinets and fiber distribution boxes Additional NotesFor precise model-specific parameters, including exact attenuation, bandwidth, tensile strength, and bending radius, it is recommended to consult Huijue datasheets or contact the manufacturer directly through their official catalog or Alibaba product listings. This overview provides a general understanding of Huijue optical cable types, fiber characteristics, and applications, which can guide selection for network design and deployment.

Article Content

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