

Comparison of lifespan and price quotes for frame-type optical cable fixing clamps



Article Overview

Frame-type optical cable clamps typically offer 15-30 years of service life, with prices ranging from \$0.50 to \$5 per clamp depending on material, size, and customization.

Lifespan Considerations

The durability of frame-type optical cable clamps depends on the material and environmental exposure. Common materials include UV-resistant thermoplastics, galvanized steel, aluminum alloy, and stainless steel. Clamps made from stainless steel or aluminum alloy generally provide the longest lifespan, often 15-30 years under normal outdoor conditions, while thermoplastic clamps may degrade faster under UV exposure if not stabilized. Proper installation, including correct bend radius and mechanical protection, also significantly affects longevity. In industrial or harsh environments, lifespan may reduce to 5-15 years if the jacket or clamp material is not suited to vibration, chemicals, or extreme temperatures.

Price Comparison

The price of frame-type optical cable clamps varies based on material, size, and quantity. For example:

- C-type brackets for multiple optical cables (e.g., 6 runs, 2x3 stacks) are available from suppliers like Alibaba and TelecomsCable, with prices typically starting around \$0.50-\$5 per clamp, depending on customization, cable diameter, and order volum...

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Fixing clamps

Fixing clamps for lattice towers (bolted attachment) Clamp: Aluminium alloy, forged U-bracket: Steel, hot dip galvanized Threaded

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Cable clamps, wire clamps

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Optical Fiber Cable Design & Reliability Patrick Van Vickie, Sumitomo Electric Lightwave

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Fiber Optic Cable & Fiber Optic Clamps

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The Lifetime of Fiber Optic Cable

Fiber optic cable manufacturers who say cables are designed for approximately a 40 year lifetime. The glass fiber is

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