Bending All the Rules

Fast. Strong. Flexible. These are three words you may use to describe an athlete; a gymnast perhaps. It may even conjure up images of your favourite Cirque du Soleil act: strong and sturdy, yet lean and quick. These are words you would never use to describe Fiber Optic Cables. Fast? Maybe. But flexible and strong? NEVER.

Until now...

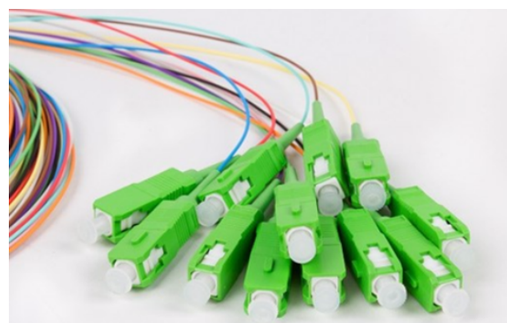
CircaMax now carries Corning® ClearCurve® Fiber Cables!

For over 45 years Corning has been an innovator in the fiber optic and telecommunications industry. With this innovation, Corning brings us a solution that builds upon their InfiniCor® fiber's high bandwidth capabilities. What sets ClearCurve apart from the rest of the industry's offerings is its superior macrobending properties and durability in harsh environmental conditions.

Bend radius comparison between traditional fiber (38mm, left) and Corning's ClearCurve fiber (7mm, right). *[Click on the image to view the video]*

High bandwidth has always been the primary advantage of Fiber Optics over copper, but its biggest downfall has been its flexibility.

For decades, signal degradation was a major issue with Fiber Cable that was not perfectly straight. Because of how fiber is constructed, the light travelling through



All traditional connectors available with ClearCurve Fiber to suit all your needs.

the glass core escapes the reflective layers surrounding the core when it is bent and manipulated. This is no longer an issue with Corning's ClearCurve Fiber as they have modified the protective glass cladding surrounding the core, adjusting its refractive and reflective properties.

The result is a groundbreaking Fiber Optic cable that nears the flexibility of copper! It can withstand tight bends with virtually no loss of signal, whereas in a comparable situation, conventional Fiber cable would completely lose the signal, rendering it unusable. With macrobending capabilities reaching down to 7.5mm, it is 10x more flexible than traditional fiber. Paired with Corning's CPC coating, this makes for an extremely durable solution in contrast to ordinary fiber.

For more information, resources such as specification sheets, or to order, visit **www.circamax.com**.

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