CORNING

Pushlok™ Connector

Just the Technical Facts

Overview

The newest component in Corning's hardened connector portfolio offers robustness and reliability in a very small package. Designed for use in FTTx access networks where space and speed of installation translate into savings, the Pushlok™ connector enables faster connections with audible and tactile feedback upon insertion. Rugged, yet small, the connector platform and associated terminals meet the same performance attributes of Corning's existing hardened connector portfolio.

Pushlok™ Connector | Just the Technical Facts

What is a Pushlok™ connector?

The Pushlok connector is an entirely different hardened connector form-factor with a compact, durable, craft-friendly design. The single-fibre connector leverages an SC APC compatible ferrule, is backward compatible with widely deployed, threaded OptiTap® ports with a field-installed adapter and can also be converted for use with standard SC APC patch panels.

Why was the Pushlok connector developed?

As wireline and wireless networks proliferate, new customer needs emerged that drove the design, including:

• Congested existing infrastructure assets – smaller connectors translate into smaller terminals, allowing them to be placed in existing handholes and pedestals

• Increasing pole attachment concerns – lightweight design allows for aerial suspension of terminals on its own stub tail with minimal hardware

• Skilled technician availability – intuitive insertion and feedback without the need for specialised labor

• Customer aesthetic requirements – more building owners and municipal permitting offices are challenging deployments because of aesthetics and space requirements

What are the benefits of Pushlok connectors?

Go smaller, go simpler, go faster, go anywhere is the premise for the suite of products associated with the Pushlok technology.

• Go smaller – the small-form-factor of the connector (half the size of the OptiTap) enables terminals up to 4x smaller, significantly reducing new infrastructure pathway costs or enabling reuse of existing infrastructure assets

• Go simpler – eliminate SKU complexity with OptiTap and SC convertible accessories

• Go faster – field-friendly connector mating allows technicians to push, click, and connect without fear of over- or under-tightening traditional threaded ports in a fraction of the time

• Go anywhere – beyond traditional buried or aerial deployments, the terminals are able to be placed on street furniture, inside lamppost monopoles, on building facades and more where traditional terminals wouldn't fit or be aesthetically appealing

How rugged is the Pushlok connector?

The Pushlok connector has undergone rigorous testing to ensure excellent, long-term durability. Tested to Telcordia GR-3120 which includes freeze/thaw, immersion, crush, humidity, and sealing tests among others to subject the connector to virtually any and all challenges it may face in a real-world deployment. It is also rated to IP68, defined by the IEC and used by the National Electrical Manufactures Association (NEMA) to indicate its uninterrupted performance in high-pressure immersion environments.

Are you Corning Connected?
corning.com/opcomm/emea/go