

One Pass Fiber Pathway with MPO Connector from 3M Streamlines MDU Installations for Significant Cost Savings

New multifiber pre-terminated option allows six or 12 fibers to be connected in one quick step and eliminates need for large FDTs on every floor

Today's service providers now have a better pre-terminated option available to them that enables faster, easier, and less costly deployment of fiber to multiple dwelling units (MDUs). The 3M One Pass Fiber Pathway with MPO Connector eliminates the need for numerous fiber distribution terminals (FDTs), discrete adapters, and ribbon-to-SC connector fan-outs. Compared to other horizontal cabling methods, 3M's new connectorization solution for the One Pass product can reduce costs over the 35 percent savings per floor already realized when using the standard One Pass solution.

Advances in multi-fiber push-on (MPO) connectors, including significant improvements in performance and durability, led 3M to further evolve its fiber pathway product to incorporate an MPO connectorization strategy. The new 3M One Pass Fiber Pathway with MPO Connector allows six or 12 fibers to be terminated in one quick step. The product also eliminates the need for large FDTs on every floor, a significant material savings.

Instead of terminating the One Pass duct at a large FDT designed to house 12, 24 or more discrete connections, the One Pass with MPO duct is terminated in a much smaller and less expensive wall box containing a single MPO adapter in the stairwell or access space at the end of each hallway. Riser-rated MPO to MPO jumpers are used to connect the 3M One Pass Fiber Pathway with MPO Connector to the Fiber Distribution Hub (FDH) in the building basement or ground floor.

The 3M One Pass Fiber Pathway with MPO Connector is a natural migration in the company's FTTH to MDU solution set.

The 3M One Pass Fiber Pathway, introduced in 2009, is a flexible, surface-mount, adhesive-backed indoor drop cable and cable pathway system that is installed simultaneously in just one pass around the perimeter of an MDU hallway. An exclusive 3M technology adhesive bonds the product to virtually any wall surface, including painted concrete. The duct itself is also paintable, allowing it to blend into just about any décor. [Learn more.](#)

About 3M Communication Markets Division

For more than 50 years, products from 3M have formed the backbone of the telecommunications industry. Global customers have come to rely on 3M quality to connect and protect their infrastructure. As a network of networks, the 3M Communication Markets Division connects smart grids to smart phones, wind farms to server farms, greenfield to brownfield and wireline to wireless. Today, 3M is taking fiber further, moving mobility forward and maximizing networks – from xDSL and FTTN to the enterprise. [Find out more.](#)

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