

# Clear Track Hallway Fiber Pathway

The Corning® Clear Track Hallway Fiber Pathway provides an aesthetically pleasing solution for use in brownfield multidwelling units (MDUs) and multitenant office buildings.

The pathway captures and routes a single, 1.8 mm Clear Track 12-Fiber Micro-Module in interior hallways. Typically this pathway will be used to route fibers from the telco closet to the hallway just outside the living unit or office location. The virtually invisible Clear Track Hallway Fiber Pathway features a proprietary, clear adhesive backing material with an easy-peel liner. Application involves no staples, no liquid adhesive, or bulky raceways. To install, simply remove the adhesive lining and apply the adhesive-backed surface to a wall near the ceiling.\*

*\*The adhesive backing is meant to be for permanent bonding to the surface and therefore removing it from the wall will damage paint or wallpaper.*



Clear Track Hallway Fiber Pathway with Clear Track 12-Fiber Micro-Module

Features	Benefits
Virtually invisible pathway	Diffuse-reflection technology provides building owners and tenants with an inconspicuous fiber solution.
Proprietary, clear adhesive backing	Allows for simple installation without the use of staples or liquid adhesives.
Field-removable fiber	Clear Track 12-Fiber Micro-Module can be removed easily to repair or replace the fibers without damaging the wall surface.
Multisurface application	Secure installation to many surfaces including latex and oil paints and wallpaper.
Clear Track Hallway Small Point-of-Entry Box with Command™ adhesive strips	Can be easily placed without the use of screws and anchors and can be removed or adjusted without damage to the wall surface.

The Clear Track 12-Fiber Micro-Module can be easily laid and captured within the Clear Track Hallway Fiber Pathway with the Clear Track Hallway Fiber Installation Tool. The flexible, continuous Clear Track Hallway Fiber Pathway can be easily routed around corners as well as curved or irregular surfaces, without any accessories or corner pieces. The unique fiber restraints and conformable adhesive help capture and provide durability to the fiber.

Clear Track Hallway Fiber Pathway Wall Surface Compatibility Test Results	
<b>Wall Surface Type</b> Painted Smooth Surfaces Flat Latex Semi-Gloss Latex Glossy Latex Semi-Gloss Alkyd Oil-Based Paint	Yes
<b>Painted Textured Surfaces:</b> <b>Light Stucco and Cement Block</b> Flat Latex Semi-Gloss Latex Glossy Latex Semi-Gloss Alkyd Oil-Based Paint	Yes
<b>Wallpapered Surface</b> Plain Paper Vinyl Coated Vinyl	Yes
<b>Wallpapered Surface</b> Polyolefin Woven	No
<b>Unfinished and/or Unpainted Brick, Concrete, or Block</b>	No



Installation of Clear Track 12-Fiber Micro-Module Into Clear Track Hallway Fiber Pathway



Clear Track Hallway Fiber Pathway Installed Around Exterior Corner

Clear Track Hallway Fiber Pathway Specifications	
Material	Adhesive-backed polymer resin
Color	Clear
Paintability	Paintable with either latex or oil-based paint. Painting Clear Track Hallway Pathway makes fiber placement permanent and not reroutable.
Certifications	The Clear Track Hallway Fiber Pathway product has been listed to the requirements of UL 2024: Cable Routing Assemblies and Communications Raceways and CSA C22.2 No. 262 Optical Fiber and Communications Cable Raceway Systems - FT4.
Installation Conditions	<p><b>Clear Track Hallway Installation:</b></p> <p>50°F to 104°F (10°C to 40°C) on a clean, dry surface. Suggested to maintain relative humidity below 85% to prevent surface condensation.</p> <p>Allow the Clear Track Hallway Pathway and accessories to acclimate for 24 hours at recommended product installation temperature prior to install.</p> <p>Note: For optimum curing of the adhesive, hold recommended installation temperature conditions for 72 hours after product installation.</p>
Storage Conditions	The Clear Track Hallway Fiber Pathway has a shelf life of 24 months from date of manufacture when stored at 23°F to 122°F (-5°C to 50°C) and 0-95% relative humidity. The optimum product storage conditions are 72°F (22°C) and 50% relative humidity.
Operating Temperature	23°F to 122°F (-5°C to 50°C)
UV Resistance	Clear Track Hallway Fiber Pathway and Clear Track 12-Fiber Micro-Module conform to indoor requirements per ASTM G 154. 1000h, UV-A 351 nm.

## Clear Track 12-Fiber Micro-Module Specifications

### Product Type

White 1.8 mm micro-module jacket 12 ultra-bend-insensitive single-mode fibers with 250 $\mu\text{m}$ coating with color code	Proof tested to 100 kpsi Meets ITU-T G.657.B3, G.652.D
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### Optical Specifications

#### Attenuation

Attenuation at 1310 nm	$\leq 0.35$ dB/km
Attenuation at 1490 nm	$\leq 0.25$ dB/km
Attenuation at 1550 nm	$\leq 0.22$ dB/km
Attenuation at 1625 nm	$\leq 0.24$ dB/km

#### Attenuation with Bending

Number of turns	1	1
Mandrel radius	5.0 mm	5.0 mm
Wavelength	1550 nm	1625 nm
Induced attenuation	$\leq 0.15$ dB	$\leq 0.45$ dB

#### Cutoff Wavelength (cross-correlation function [CCF])

$\leq 1260$  nm

#### Mode Field Diameter (MFD)

Wavelength (nm)	1310 nm	1550 nm
MFD ( $\mu\text{m}$ )	8.7 +/- 0.5	9.65 +/- 0.7

### Geometrical Specifications

Glass cladding diameter	$125.0 \pm 0.4$ $\mu\text{m}$
Glass core/cladding concentricity error	$\leq 0.3$ $\mu\text{m}$
Glass core/cladding noncircularity	$\leq 0.3$ %
Inked coating diameter	$242 \pm 5.0$ $\mu\text{m}$



Belt Clip Spool Holder on Clear Track Hallway Fiber Pathway Spool

## Ordering Information

Description	Part Number	Minimum Order
Clear Track Hallway Fiber Pathway, 125 ft	80-6116-2278-0	One piece
Clear Track 12-Fiber Micro-Module, 150 ft, SC APC	80-6116-2279-8	One piece
Clear Track 12-Fiber Micro-Module, 300 ft, SC APC	80-6116-2280-6	One piece
Clear Track 12-Fiber Micro-Module, 600 ft, SC APC	80-6116-2304-4	One piece
Clear Track 12-Fiber Micro-Module, white, 150 Ft, MTP® (pinned) APC pigtail, pulling grip on one side	CLR-HALLM-150-12F-MTPM-0W	Eight pieces
Clear Track 12-Fiber Micro-Module, white, 300 Ft, MTP (pinned) APC pigtail, pulling grip on one side	CLR-HALLM-300-12F-MTPM-0W	Eight pieces
Clear Track 12-Fiber Micro-Module, white, 600 Ft, MTP (pinned) APC pigtail, pulling grip on one side	CLR-HALLM-600-12F-MTPM-0W	Eight pieces
Clear Track Micro-Module, 750 ft, unterminated	80-6116-2305-1	One piece
Clear Track Hallway Small Point-of-Entry Box	80-6116-2282-2	One pack
Clear Track Installation Tool with Hall/Quad Wheels	80-6116-2308-5	Six pieces
Clear Track Hallway Fiber Pathway Cover, 305 pieces, 1 m length, 1,000 ft per case	80-6116-2307-7	One pack
Clear Track Hallway Fiber Access Toolkit (fiber pick and mid-span micro-module slitting tool)	80-6116-3506-3	One piece
Belt Clip Spool Holder, 3 x 2-in (interior diameter x width)	80-6116-2133-7	One piece
Clear Track Fiber Point-of-Entry Sliding Wall Covers	80-6113-82146	30 pieces
Clear Track Hallway/ILU/QUAD Wall Compatibility Test Weight and Test Strips	80-6116-2367-1	One piece
Clear Track Wall Surface Compatibility Test Strips (refill, 40 strips)	80-6114-8687-1	One box



Clear Track 12-Fiber Micro-Module Spool



Clear Track Hallway Small Point-of-Entry Box with Command™ Adhesive Strips



Clear Track Hallway Fiber Access Toolkit

CORNING

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