

Communication Markets Division

3M™ Clear Track Hallway Fiber Pathway

The 3M™ Clear Track Hallway Fiber Pathway provides an aesthetic pathway for use in brownfield Multi Dwelling Units (MDU) and multi-tenant office buildings.

The pathway captures and routes a single, 1.8 mm 3M™ Clear Track 12-Fiber Micro-Module in interior hallways. Typically this pathway will be used to route fibers from the telco closet to the required living unit or office location. The virtually invisible 3M Clear Track Hallway Fiber Pathway features a 3M 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 liner 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 wall paper.



3M™ Clear Track Hallway Fiber Pathway with 3M™ Clear Track 12-Fiber Micro-Module

Features	Benefits
Low visibility pathway	Provides building owners and tenants with a non-disruptive fiber solution.
Uniquely contoured fiber restraints	Naturally diffuses reflected light due to irregular surfaces. Virtually invisible.
3M proprietary, clear adhesive backing	Easy installation without the use of staples or liquid adhesives.
Field removable fiber	3M Clear Track 12-Fiber Micro-Module can be removed easily to repair or replace the fibers without damaging the wall surface.
Multi-surface application	Secure installation to many surfaces including latex and oil paints and wall paper.
3M™ 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 3M™ Clear Track 12-Fiber Micro-Module can be easily laid and captured within the 3M™ Clear Track Hallway Fiber Pathway with the 3M™ Clear Track Hallway Fiber Installation Tool. The flexible, continuous 3M 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.



Installation of 3M™ Clear Track 12-Fiber Micro-module into 3M™ Clear Track Hallway Fiber Pathway

3M™ Clear Track Hallway Fiber Pathway Wall Surface Compatibility Test Results	
Wall Surface Type Painted Smooth Surfaces Flat Latex Semi-gloss Latex Glossy Latex Semi-gloss Alkyd	Yes
Painted Textured Surfaces: Light Stucco & Cement Block Flat Latex Semi-gloss Latex Glossy Latex Semi-gloss Alkyd	Yes
Wallpapered Surface Plain Paper Vinyl Coated Vinyl	Yes
Wallpapered Surface Polyolefin Woven	No
Unfinished and/or Unpainted Brick, Concrete, or Block	No



3M™ Clear Track Hallway Fiber Pathway installed around exterior corner

3M™ 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 re-routable.
Certifications	The 3M™ 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>3M Clear Track Hallway Installation:</p> <p>32°F to 122°F (0°C to 50°C) on a clean, dry surface. Suggested to maintain relative humidity below 85% to prevent surface condensation.</p> <p>Allow the 3M 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 3M™ 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	3M Clear Track Hallway Fiber Pathway and 3M™ Clear Track 12-Fiber Micro-module conform to indoor requirements per ASTM G 154. 1000h, UV-A 351 nm.



3M™ Belt Clip Spool Holder on 3M™ Clear Track Hallway Fiber Pathway Spool

3M™ Clear Track 12-Fiber Micro-Module Specifications

Product Type		
Tight buffer coating type Ultra bend insensitive , 250 µm single mode fiber within a 1.8 mm micro-module jacket	Proof tested to 200 kpsi Meets ITU-T G.657.B3, G.652.D	
Optical Specifications		
Attenuation Attenuation at 1310 nm Attenuation at 1490 nm Attenuation at 1550 nm Attenuation at 1625 nm	≤ 0.35 dB / km ≤ 0.25 dB / km ≤ 0.22 dB / km ≤ 0.24 dB / km	
Attenuation with Bending Number of Turns Mandrel Radius Wavelength Induced Attenuation	1 5.0 mm 1550 nm ≤ 0.15 dB	1 5.0 mm 1625 nm ≤ 0.45 dB
Cutoff Wavelength (ccf)	≤ 1260 nm	
Mode Field Diameter (MFD) Wavelength (nm) MFD (µm)	1310 nm 8.8 +/- 0.4	1550 nm 9.8 +/- 0.5
Geometrical Specifications		
Glass cladding diameter Glass core / cladding concentricity error Glass core / cladding non-circularity Inked Coating diameter	125.0 +/- 0.4 µm ≤ 0.3 µm ≤ 0.3 % 242 +/- 5 µm	



3M™ Clear Track 12-Fiber Micro-Module Spool



3M™ Clear Track Hallway Small Point of Entry Box with Command™ Adhesive Strips



3M™ Clear Track Hallway Fiber Access Tool Kit

Ordering Information

Product Number	Description	3M ID	Min. Order
CLR-TRK-HALL1-125-18	3M™ Clear Track Hallway Fiber Pathway, 125 Ft	80-6116-2278-0	8 spools
CLR-HALLM-150-12F-SCA-000-W	3M™ Clear Track 12-Fiber Micro-Module, 150 Ft, SC APC	80-6116-2279-8	8 spools
CLR-HALLM-300-12F-SCA-000-W	3M™ Clear Track 12-Fiber Micro-Module, 300 Ft, SC APC	80-6116-2280-6	8 spools
CLR-HALLM-600-12F-SCA-000-W	3M™ Clear Track 12-Fiber Micro-Module, 600 Ft, SC APC	80-6116-2304-4	8 spools
CLR-HALLM-750-12F-000-000-W	3M™ Clear Track Micro-Module, 750 Ft, Unterminated	80-6116-2305-1	8 spools
CLR-SMALL-POE-250UM-SCA-WH	3M™ Clear Track Hallway Small Point Of Entry Box	80-6116-2282-2	60 each
CLR-TOOL-HALL18	3M™ Clear Track Hallway Fiber Pathway Installation Tool	80-6116-2308-5	6 each
CLR-TRK-HALL18-CVR	3M™ Clear Track Hallway Fiber Pathway Cover, 305 Pcs, 1 M Length, 1000 Ft	80-6116-2307-7	1 case
CLR-HALLTOOL-KIT	3M™ Clear Track Hallway Fiber Access Tool Kit (Fiber Pick and Mid-Span Micro-Module Slitting Tool)	80-6116-3506-3	1 kit
CLR-BELT-CLIP-32	3M™ Belt Clip Spool Holder (3 in. Id, 2 in. W)	80-6116-2133-7	1 clip
CLR-POE-60	3M™ Micro Point-of-Entry Wall Cover	80-6114-9807-4	60/pk
3M Clear Track Wall Compatibility Test Kit	3M™ Wall Adhesion Test Kit	80-6116-2367-1	1 kit
CLR-TEST-STRIPS	3M™ Clear Track Wall Surface Compatibility Test Strips (refill, 40 strips)	80-6114-8687-1	1 box

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