

Communication Markets Division

3M™ Clear Track Fiber Pathway

The 3M™ Clear Track Fiber Pathway provides an aesthetic pathway for indoor residential or office applications.

The pathway captures and routes a single 3M™ 900 µm Clear Fiber to the desired outlet or terminal location, while remaining virtually invisible. 3M Clear Track Fiber Pathway features a 3M proprietary, clear adhesive backing material with an easy-peel liner. Application involves no staples, no heat, no liquid adhesive or bulky raceways. To install, simply remove the liner and apply the adhesive backed surface to a wall near the ceiling or a baseboard.*

*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 Fiber Pathway with 3M™ 900 µm Clear Fiber

Features	Benefits
Low visibility pathway	Provides homeowners, 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, liquid adhesives or heated tools.
Field removable fiber	3M 900 µm Clear Fiber can be removed easily to extend, or re-route per customer needs without damaging wall surface.
Simple installation	Effectively train crews for consistent, repeatable results.
Multi-surface application	Secure installation to many surfaces including latex and oil paints and wall paper.

The 3M™ 900 µm Clear Fiber can be easily laid and captured within the 3M™ Clear Track Fiber Pathway with the 3M Clear Track Fiber Installation Tool. The flexible, continuous 3M Clear Track pathway can be easily routed around corners as well as radiused or irregular surfaces, without any accessories or corner pieces. The unique fiber restraints and conformable adhesive help capture and provide durability to the fiber.



3M™ Clear Track Installation Tool

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

3M™ Clear Track Fiber Pathway Specifications	
Material	Adhesive-backed Polymer Resin
Color	Clear
Paintability	Paintable with either latex or oil-based paint. Painting Clear Track pathway makes fiber placement permanent and not re-routable.
Certifications	The 3M™ Clear Track 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	3M Clear Track Installation: 16°C to 38°C (61°F to 100°F) on a clean, dry surface. Suggested to maintain relative humidity below 85% to prevent surface condensation. Allow the 3M Clear Track Pathway duct and accessories to acclimate for 24 hours at recommended product installation temperature prior to install. Note: For optimum curing of the adhesive, hold recommended installation temperature conditions for 72 hours after product installation.
Storage Conditions	The 3M™ Clear Track Pathway has a shelf life of 24 months from date of manufacture when stored at 40°F to 100°F (4°C to 38°C) and 0–95% relative humidity. The optimum product storage conditions are 72°F (22°C) and 50% relative humidity.
Operating Temperature	40°F to 100°F (4°C to 38°C)
UV Resistance	Conforms to indoor requirements per ASTM G 154. 1000h, UV-A 351nm.

3M™ 900 µm Clear Fiber Specifications

Product Type		
Tight buffer coating type Ultra bend insensitive single mode fiber	900 µm Clear PVC, proof tested to 200 kpsi 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 Buffer diameter Coating diameter	125.0 +/- 0.4 µm ≤ 0.3 µm ≤ 0.3 % 0.9 +/- 0.05 mm 242 +/- 5 µm	



3M™ 900 µm Clear Fiber, 1 km spool
ITU-T G.657.B3 grade



3M™ Micro Point-of-Entry Wall Cover

Ordering Information

Product Number	Description	3M ID	Min. Order
CLR-TRK-205-01-000	3M™ Clear Track Fiber Pathway (track only) 205 ft spool	80-6116-2131-1	8 spools
CLR-FBR-1KM-01-000	3M™ 900 µm Clear Fiber, 1 km spool	80-6114-9805-8	1 spool
CLR-FBR-600-01-000	3M™ 900 µm Clear Fiber, 600 ft spools	80-6116-2203-8	8 spools
CLR-TRK-CVR	3M™ Clear Track Cover, 1 m length, 305 pieces (1,000 ft)	80-6114-8779-6	1 package
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
CLR-TOOL	3M™ Clear Track Installation Tool	80-6114-8645-9	6/pk
3M Clear Track Wall Compatibility Test Kit	3M™ Wall Adhesion Test Kit	80-6116-2367-1	1 kit
CLR-TRK-TOOL	Clear Track Fiber Pathway Installation Tool and compatibility kit	80-6114-8688-9	1 kit
CLR-TEST-STRIPS	3M™ Clear Track Wall surface compatibility test strips (refill, 40 strips)	80-6114-8687-1	1 box
ILU-SM-WO-SCA-IV	3M™ One Pass Mini Surface-Mount Wall Outlet	80-6113-8213-8	60/pk
CLR-TRK-KIT	3M Clear Track Fiber Pathway with 3M Belt Clip Spool Holder, 3M™ Clear Fiber Drop Cable, Accessories and Tools	80-6114-9811-6	1 kit



3M™ Wall Adhesion Test Kit



3M™ One Pass Mini Surface-Mount Wall Outlet

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Communication Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000 USA

Phone 1-800-426-8688
Fax 1-800-626-0329
Web 3M.com/Telecom

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