



OT™ – Optical Terminal

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Contact Us

North America	Europe, Middle East & Africa	Latin & South America
Tel: +1 440 366 6966 Fax: +1 440 366 6802 Email: engsupport@gomultilink.com	Tel: +1 440 366 6966 Fax: +1 440 366 6802 Email: engsupport@gomultilink.com	Tel: +1 440 366 6966 Fax: +1 440 366 6802 Email: lasupport@gomultilink.com

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INSTALLATION

General

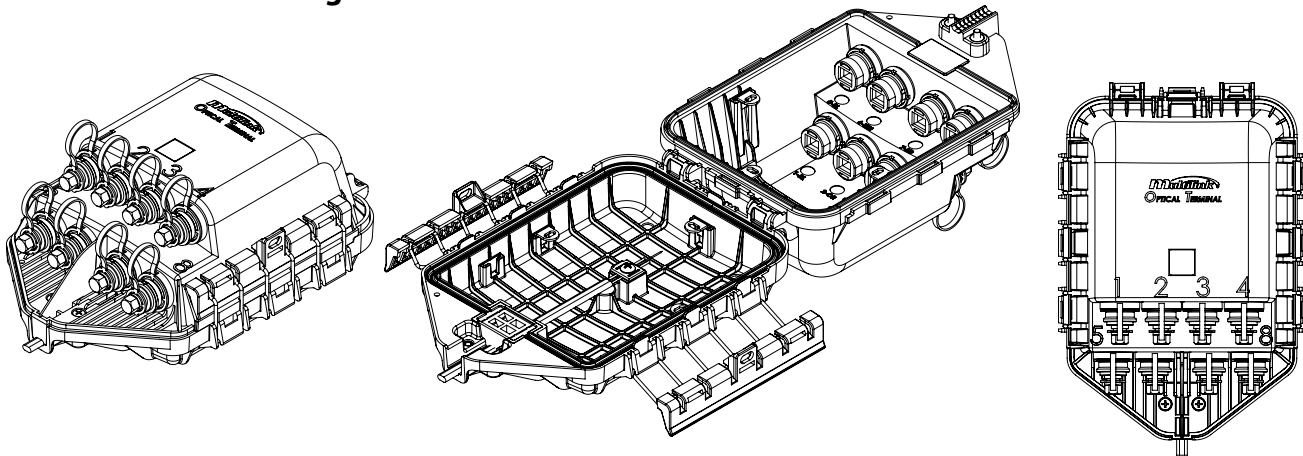
This product is designed to allow for FTTx delivery via field installation. This guide is for preparation, installation and application of Multilink's OT™ enclosure and is for installers who are familiar with fiber optic cable systems and their applications.

1. Introduction

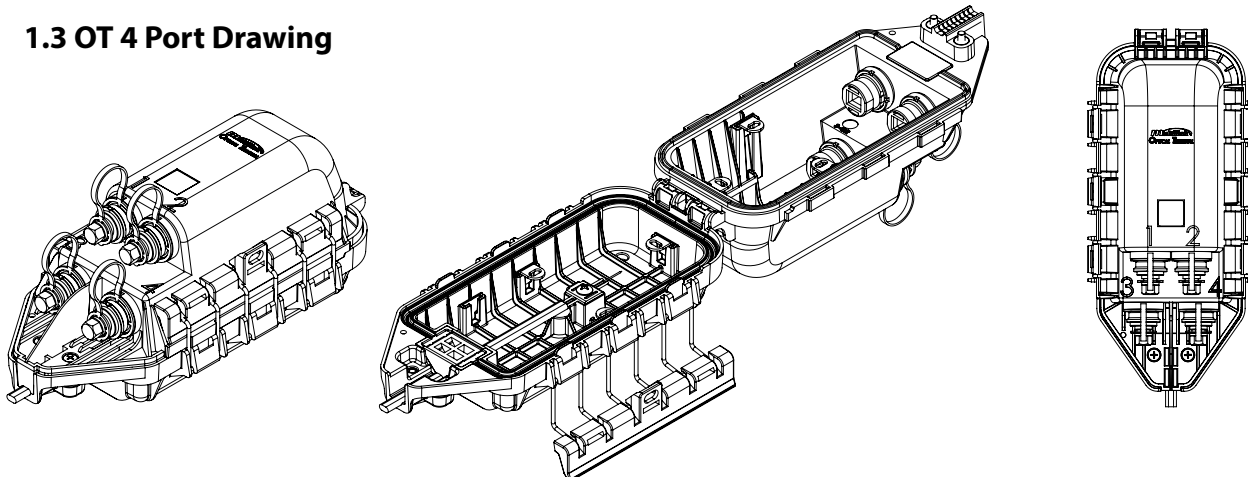
1.1 Product Description

Multilink's OT™ enclosure is designed to allow the FTTx provider to field install a multi-count fiber cable using a non-captive grommet into a housing with pre-installed OptiTap Bulkheads. Once both sides are connected and/or spliced, drops can be installed to provide FTTx services. Contact Multilink at (440) 366-6966 for assistance for FTTx network planning and FTTx deployment products.

1.2 OT 8 Port Drawing



1.3 OT 4 Port Drawing



2. ations

2.1 Installation Outline

The general procedure of the OT™ installation includes:

- Remove OT™ from package
- Loosen screws and release latches
- Open OT™ and install fiber
- Lubricate gaskets and grommets
- Close OT™ by securing latches

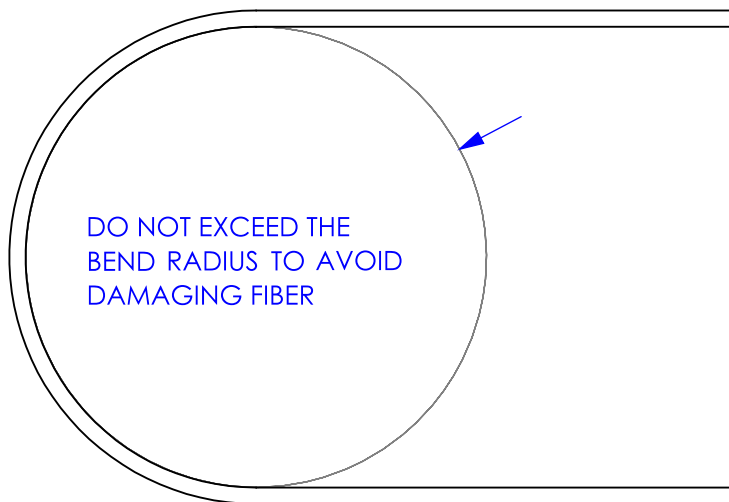
2.2 OT™ Assembly Checklist

- 1x OT™ Assembly
- Philips Screwdriver
- Wire Cutters
- Tie Wraps



2.3 Recommended Handling of Fiber

Follow your company's guidelines for bend radius.



3. General Warnings



3.1 Laser Light Warning

Never look directly into the end of a fiber that may be carrying laser light. Laser light can be invisible and may be harmful to your eyes. Viewing it directly may not cause pain; therefore it will not cause blinking or the iris of the eye to close involuntarily as it does when viewing bright light. Consequently, serious damage to the retina of the eye is possible. Should accidental exposure of laser light be suspected, arrange an eye exam immediately.



3.2 Laser Light Magnification Warning

Do not use magnifiers in the presence of laser radiation. Diffused laser light can cause serious eye damage if focused with optical instruments.



3.3 Loose Fiber Warning

Cleaved or broken glass fibers are very sharp and can pierce the skin easily. Keep your work area clear of removed fiber. Do not allow pieces of fiber to stick to your clothing or fall into the work area where they can cause injury later. Use tweezers to pick up broken/cut pieces of fiber and place on a piece of tape that has been set aside for this purpose.



3.4 Sharp Edge Warning

The wearing of cut-resistant safety gloves to protect your hands from sharp cutting tools and the metal armoring of armored cable is strongly recommended. Use extreme care when working with severed armor. There may be sharp edges where the armor is damaged. Always cover the exposed/cut armor end with a wrap of black electrical tape. To minimize the chance of injury from sharp-blade tools, always cut away from yourself and others. Dispose of used blades and armor scrap properly.



3.5 Safety Glasses Warning

Use safety glasses while working is highly recommended to provide eye protection from accidental injury when handling chemicals, cables or working with fiber. Pieces of glass fiber are very sharp and have potential to damage the eye.



3.6 Electrical Shock Warning

Do not install telecommunications equipment or work with telephone wiring during a lightning storm. Telephone lines can carry high voltages from lightning causing electrical shock resulting in severe injury or death.



3.7 Fiber Damage Warning

Fiber Optic cable is highly sensitive to excessive pulling, bending and crushing. Take care when bending the cables. Be sure not to pull too hard on the fibers. Do not crush the cable or allow it to kink. Doing any of these things may cause damage to the fiber and require it to be replaced.

4. Installation



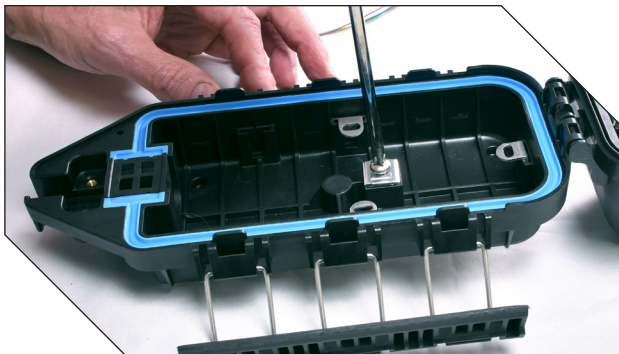
4.1 Open Terminal

Using a Phillips screwdriver, unscrew 2 bolts. Release latches on sides as well as the back. Then open to lay flat.



4.2 Fiber Management Clip

Press fiber management clips into slots on top and bottom pieces of the enclosure.



4.3 Strength Member Clamp

Partially install screw into raised plastic square to hold the clamp in place

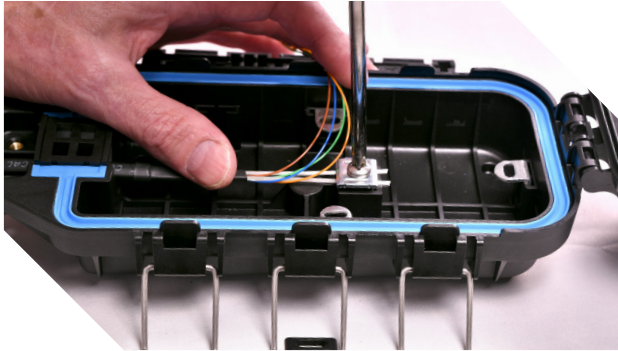


4.4 Grommet

Remove pre-cut Grommet from fiber entrance and slide fiber into position through the slit in the grommet.



Installation (Cont.)

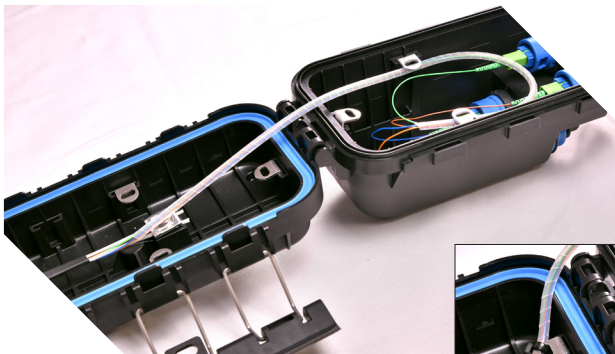


4.5 Secure Strength Members

Place strength members under clamp as indicated and fully tighten screw to secure.

4.6 Install Fiber

Remove inside dust cap from each bulkhead adaptor as needed. Leave any unused ports covered. Then remove cover first (blue) fiber connector. Insert fiber in the port with the matching color. Repeat for each fiber connector.



4.7 Route & Wrap Fiber

To protect fiber, wrap with spiral wrap and secure to fiber management clips with tie wraps.

NOTE: Make sure to not over tighten the tie wraps.

4.8 Close Lid

Seal gasket with a thin coat of silicone grease seal and close lid. Snap latches into place and tighten bolt with Philips Screwdriver.



Accessory

OptiDrop™		
Products	Description	Stock ID
	Field Installable	066-025-10



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Multilink, Inc
580 Ternes Ln
Elyria, OH 44035
Tel: (440) 366-6966
Fax: (440) 366-6802



facebook.com/GoMultilink1



twitter.com/GoMultilink



youtube.com/GoMultilink

Contact Us

North America	Europe, Middle East & Africa	Latin & South America
Tel: +1 440 366 6966 Fax: +1 440 366 6802 Email: engsupport@gomultilink.com	Tel: +1 440 366 6966 Fax: +1 440 366 6802 Email: engsupport@gomultilink.com	Tel: +1 440 366 6966 Mobile: +1 440 366 6802 Email: lasupport@gomultilink.com