

Omega Field Termination Kit

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Valdor's Omega Field Installable Kit is based on the Company's patented and proven Impact Mount[®] Technology (IMT). This field termination kit is a complete kit that provides all necessary tools and components for cable repairs, cable extension or when needing to join cables together. The all-positive-stop mechanical tools offer consistent, repeatable results with fast and clean termination in the field. No electricity or curing oven is required.

By using Omega Enclosures with the miniature SP connectors, technicians have the option to extend fiber cables directly to their equipment destination and bypass standard building cabinets and large panels. The miniature SP connector is the smallest mechanical connector in the industry. It enables the Omega Enclosure to accommodate multiple fiber connections for high-density applications without being too bulky. The miniature SP connector's ability to maintain stable readings with little variation during environmental changes makes it ideal for harsh environments.

The Omega Kit is composed of 2 levels. The top level consists of a Universal Basic IMT Kit and an Accessory Package (APACK) needed for termination of the IMT connectors. The bottom level includes Omega Enclosures with SP miniature connectors, cartridges, and tools required to install the enclosures.

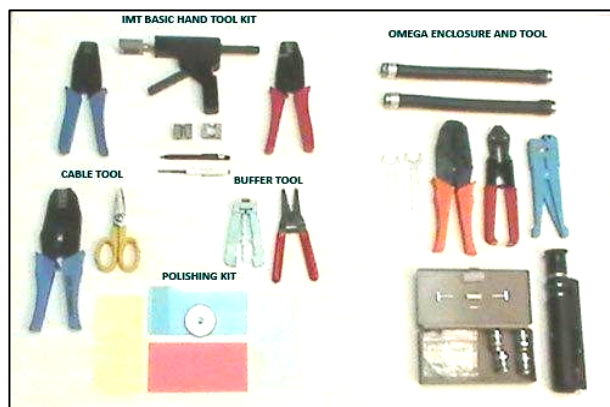


Impact Mount[®] Technology Concept

The mounting process is accomplished in 3 easy steps:

1. Impact Mount[®] tool dynamically compresses the metal ferrule tip around the fiber.
2. Crimp buffer at the rear of the connector.
3. Polish end of ferrule within 20 seconds.

Note: Additional crimping for Kevlar cables provides further stability and strength.



Features

- Easy cable repair, joining or extension
- All-positive-stop mechanical tools
- Simple steps, repeatable results
- Fast training, user-friendly
- For quick field installation and repair
- NO epoxy or index matching gel
- NO electricity or curing oven needed
- Achieve factory-polish in the field within seconds

Applications

- Mining
- Oil exploration
- Data / Telecom / FTTx
- Outside plant
- Security equipment
- Aerospace / Military
- Industrial

Ordering Information

Omega Complete Field Installable Kit (Model#: 196-OExxxx) Custom kits are also available.

Top Level Components

1. Universal Basic Termination Kit includes:

- Impact Hand Tool
- Insert types: SP (options available)
- Buffer Crimp Tool
- Instruction Manual
- Storage Case (Double Deck)

2. APACK Kit includes:

Buffer Tools

- Cable Jacket Cutter/Stripper
- Buffer Stripper

Cable Tools

- Universal Kevlar Crimp Tool
- Kevlar Scissors

Polishing Kit

- Fiber Scribe
- Universal Polishing Disc
- Polishing Pad
- Polishing films (12, 3 & 0.3 μ)

Options: Fiberscope 200x, Fiber cleaner,
Electrical (Butt) connector

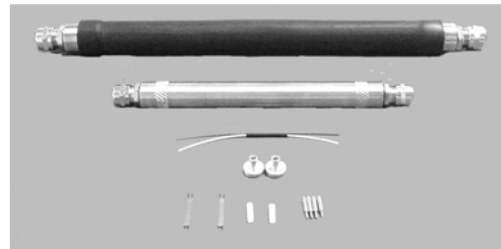
Bottom Level Components

3. Omega Enclosure includes:

- Flexible enclosure housing
- SP miniature connector (sm/mm)
- Cable/Kevlar or wire sleeves
- Cartridge
- Vibration Damper
- Fan-out (option)

4. Omega Tool includes:

- Cable Jacket Stripper
- Crimp Tool for sleeve
- SST Wire Cutter (option)



Omega Enclosure & Components

Available:

Standard Omega Enclosures (Model #: 128-OExxxx)

Model #	Cable Range mm(inch)	Flex Housing O.D. (inch)	Fiber # sm/mm	Model #	Cable Range mm(inch)	Flex Housing O.D. (inch)	Fiber # sm/mm
OE0001	1.0–5.0mm (0.04”–0.20”)	3/5” (Rigid)	(1)	OE0012	16.0–25.0mm (0.63”–0.98”)	1.2”	(12)
OE0002	2.0–6.5mm (0.08”–0.25”)	3/5”	(1)	OE0013	8.0–14.0mm (0.32”–0.55”)	1.5”	(6)
OE0003	4.0–10.0mm (0.16”–0.40”)	1.1”	(2)	OE0014	8.0–14.0mm (0.32”–0.55”)	1.5”	(12)
OE0004	4.0–10.0mm (0.16”–0.40”)	1.1”	(4)	OE0015	8.0–14.0mm (0.32”–0.55”)	1.5”	(24)
OE0005	4.0–10.0mm (0.16”–0.40”)	1.1	(6)	OE0016	8.0–14.0mm (0.32”–0.55”)	2.0”	(6)
OE0006	4.0–10.0mm (0.16”–0.40”)	1.2”	(4)	OE0017	8.0–14.0mm (0.32”–0.55”)	2.0”	(12)
OE0007	4.0–10.0mm (0.16”–0.40”)	1.2”	(2)	OE0018	8.0–14.0mm (0.32”–0.55”)	2.0”	(24)
OE0008	4.0–10.0mm (0.16”–0.40”)	1.2”	(4)	OE0019	16.0–25.0mm (0.63”–0.98”)	2.0”	(48)
OE0009	4.0–10.0mm (0.16”–0.40”)	1.2”	(6)	OE0020	16.0–25.0mm (0.63”–0.98”)	1.2”	(6)
OE0010	4.0–10.0mm (0.16”–0.40”)	1.2”	(6)	OE0021	8.0–14.0mm (0.32”–0.55”)	1.2”	(12)
OE0011	4.0–10.0mm (0.16”–0.40”)	1.2”	(12)	OE0022	2.0–6.5mm (0.08”–0.25”)	1.2”	(6)

Contact Information

Please contact Valdor for pricing and ordering information for complete Omega kits and custom enclosures.
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