

Interlocked Armored Cables

Installation Guidelines

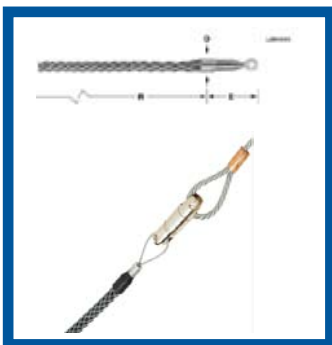


1.0 Installation

Interlock cables are similar to standard fiber optic cables but with an enhanced crush and impact resistance. The interlock armor is ideal for applications where the end user requires the fiber optic cable to be placed in conduit or if the cable needs additional protection. Interlock cables can be offered in a Plenum, Riser, or outside plant designs. Since the inner cable is not bonded to the armor, both the armor and inner cable require connection to the pulling element to prevent separation. The most common means of pulling the cable is to remove the outer jacket and attach a kelleem grip to the inner jacket and armor. This will allow you to pull to the full potential of the inner cable's pull strength and not be limited by the interlock armor's lower pull strength of 150 lbs. Pulling beyond the interlock armor's pull strength may cause the armor to separate.

Questions? Call 1-800-879-9862

Condux International Inc.
145 KingsRoad
Mankato, MN 56002
Phone: 507-387-6576
Fax: 507-387-1442
www.condux.com



2.0 Removal

- 2.1. Determine the amount of armor needed to be removed.
- 2.2. If an outer jacket is over the armor, use a utility knife and remove the jacket.
- 2.3. Using a tool known as the Roto-Split made by Seatek, place the cable in the tool as shown.
- 2.4. Tighten adjustable screw to clamp cable into position.
- 2.5. Hold tool near the cutting head and squeeze to press the circular blade against the cable. Turn handle to cut through armor, once the force to turn handle decreases, you have successfully cut through the armor.

Seatek Co. Inc.
392 Pacific Street
Stamford, CT 06902
Phone (203) 324-0067
Fax 203-324-7844
www.SeatekCo.com



- 2.6. Hold cable on each side of the cut armor and twist the armored casing counter-clockwise until it separates. If the armor does not separate repeat step 2.5.

3.0 Grounding and Bonding

- 3.1. Cables with the overall interlock armor should be grounded through standard cable connectors to a connector/administration panel at each end. The administration panels should be bonded to the nearest ground with a direct minimum length grounding conductor.
- 3.2. When the cable is run directly from one metal fiber distribution unit to another, use any NEC Approved connector as the equipment bond for the armored cable.
- 3.3 Draka recommends the connectors provided by American Connectors, Inc. to ground the metal armor to the rack.

American Connectors Inc.
2006 Martin Luther King Frwy
Fort Worth TX 76104
Phone: 817-535-6268
Fax: 817-536-0546
www.americanconnectors.com



4.0 Vertical Installations

- 4.1. Cable should be lashed to the tray every 3 to 5 feet.
- 4.2. Every 50 feet, the cable should have a horizontal offset to prevent slippage.
- 4.3. To prevent slippage of the inner cable during installation maintain at least 5 wraps on the reel, if the installation is longer than 500 feet add an additional wrap for every 250 feet.
- 4.4. Consult the factory for additional questions.

Draka | Cabling for the real world.

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