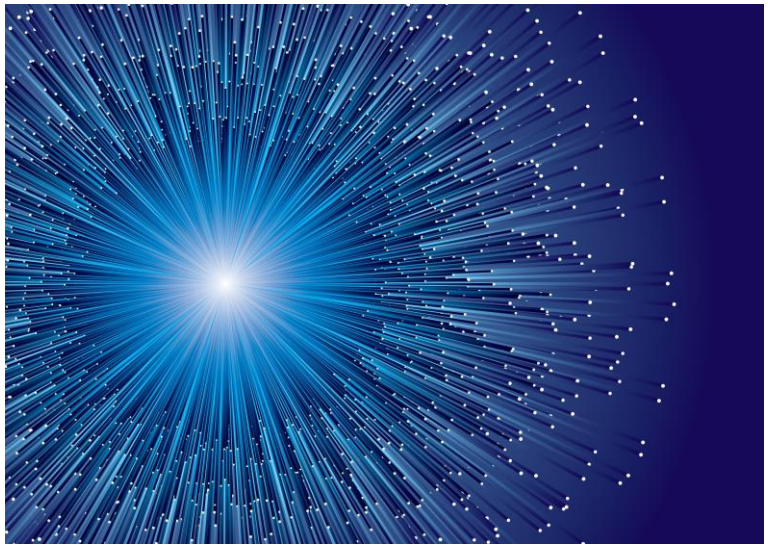
HITACHI
Inspire the Next



Working with Interlock Armored Fiber Optic Cable

Hitachi Cable America Inc.

Advantage of IA Fiber Optic Cable

HITACHI
Inspire the Next

- Interlock armored (IA) fiber optic cables provide excellent contact protection for the fibers within.
- Significantly smaller than the traditional inner duct/cable combination, IA fiber optic cables require less time to install (1 pull versus 2) thus reducing overall costs.
- A traditional inner duct pathway also creates a pathway for other trades to pirate, saving them time but potentially damaging the fiber optic cable.

Interlock Armored Fiber

Fiber in Inner Duct

Preparing IA cables for termination

HITACHI
Inspire the Next

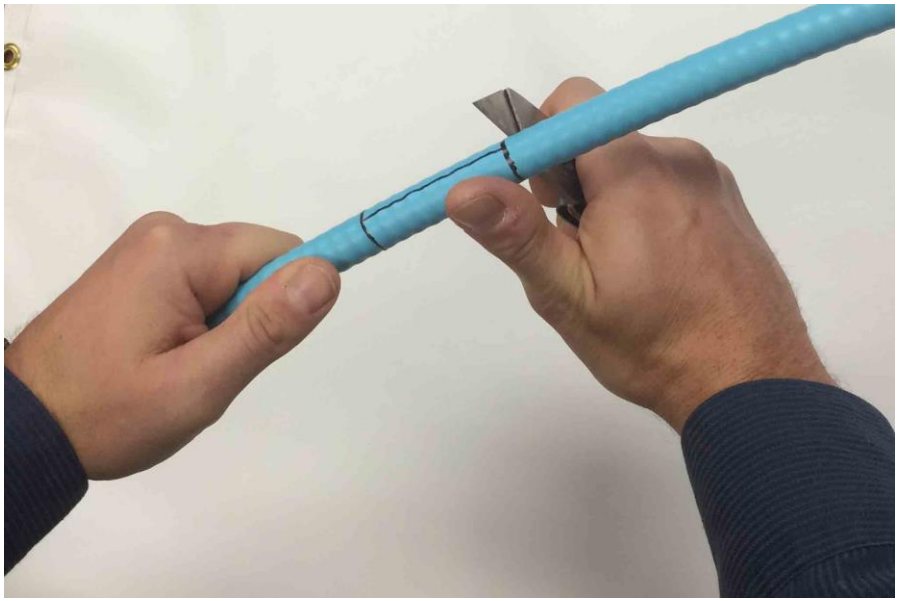
- Identify where you want to cut the armor, leaving enough unarmored fiber to work with when done.

- On the outer jacket, mark two rings about 2 inches apart. Drawn a line connecting the two rings.

Preparing IA cables for termination

HITACHI
Inspire the Next

- With a utility knife, carefully cut around the jacket following the markings of the two rings previously drawn.



Preparing IA cables for termination

HITACHI
Inspire the Next

- Carefully cut along the line connecting the two rings. This will allow you to peel off that section of the outer jacket exposing the armor.

Preparing IA cables for termination

HITACHI
Inspire the Next

- To properly cut the armor, you will need an armor cutting tool like the one shown to the right. This tool is designed to cut through the armor without damaging the inner cable.

Preparing IA cables for termination

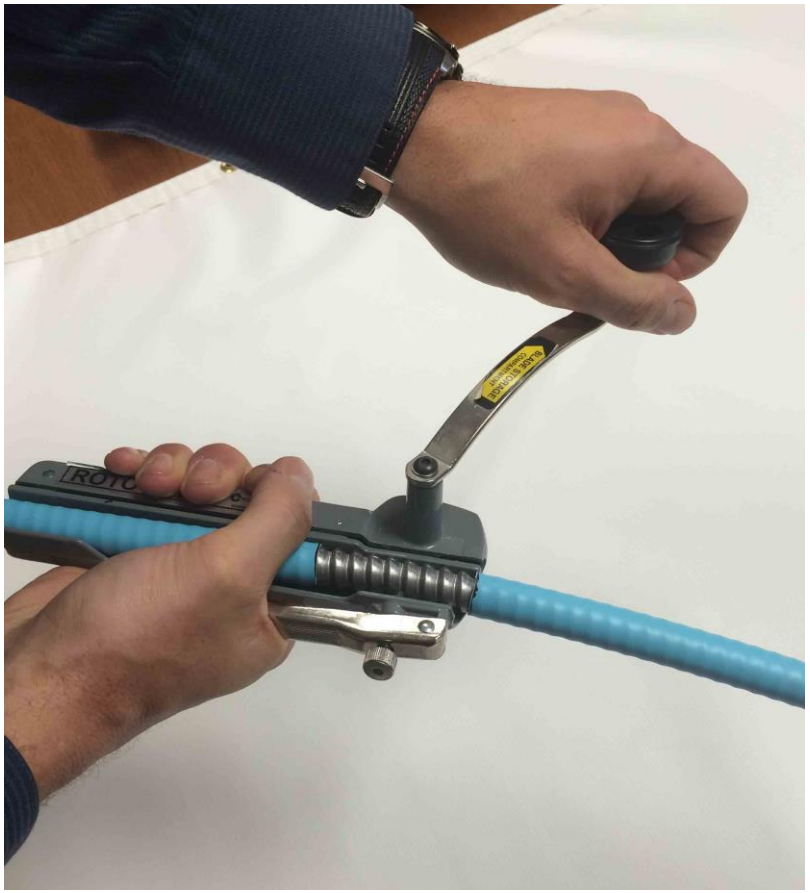
HITACHI
Inspire the Next

- To operate the tool, you place the section of unjacketed armor into the cutting area of the tool. Squeezing the handle engages an adjustable tab that holds the armor in place. An adjustment knob on the back of the tool allows for fine tuning the tab's hold on the armor.

Preparing IA cables for termination

HITACHI
Inspire the Next

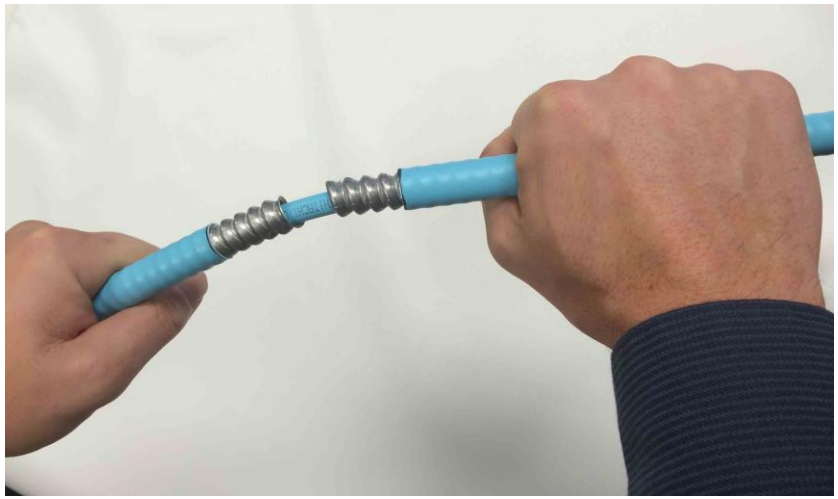
- Turning the tool's crank spins a small circular cutting blade. Maintaining even pressure on the handle while cranking the cutting blade allows the blade to cut through the armor. Continue cranking until the handle turns freely, with little to no resistance. This lets you know you have cut through the armor. Disengage tool when done.



Preparing IA cables for termination

HITACHI
Inspire the Next

- Inspect the area of the cut. Gently flex the cable and twist. The two ends will separate. You can then pull off the loose end of the armored outer jacket. Dispose of properly. You will then be able to prepare the inner fiber optic cable for termination.



Thank you