

RapidRun Runner Cable Modification

Removal of the Threaded Ring

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Retrofit cable installations provide their own complex set of obstacles to overcome, even with the great ease of installation that RapidRun cables provide. RapidRun has been specifically designed so that the cable and connector will easily pass through ¾” conduit, even using a 90 degree sweep. Unfortunately, when bending ¾” conduit in the field, the conduit will collapse reducing the passage for cable by as much as 20%. A factory sweep is formed under controlled conditions and is less susceptible to kinks while retaining much more of the original conduit diameter. Due to these factors, installing the RapidRun Runner Cable through existing ¾” conduit can be challenging...but not impossible.

We have outlined a process that will enable an installer of average skill level to remove the threaded ring from the RapidRun DIN connector on the Runner Cable. Removal of the threaded ring will not impede operability of the cable and a 3” section of heat shrink applied over the mating connectors will assure reliable functionality.

The tools and materials needed to perform this modification are a rotary tool (Dremel or RTX), a vise or other means of securing the connector, a pair of needle nose pliers, a 6” piece of heat shrink tubing, and a heat gun.

Note: Please read these instructions in their entirety prior to beginning. Missteps in the process can result in undesired function of the RapidRun Runner Cable.

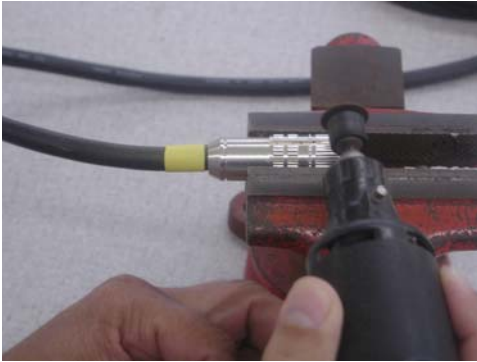
STEP 1 – Secure the Connector

First, secure the connector in a vice or other device to hold it steady for this procedure. We recommend that the dust cap remain on the connector throughout the process to help avoid damage to the connector.



STEP 2 – Cut the Threaded Ring

Using the rotary tool at a medium speed, begin your cut starting at the connector body and work toward the dust cap. The threaded Ring is very thin so work slowly and methodically so you do not damage the connector shell.



Step 3 – Removing the Threaded Ring

The dust cap will now harmlessly fall from the threaded ring. Use a pair of needle nose pliers to pull the cut threaded ring apart and remove it completely from the connector. The cut edges might be sharp so we recommend not using your fingers to pry the ring apart.



Step 4 – Install the Runner Cable through the Conduit

Install the modified Runner cable through the conduit applying standard cable installation practices. *Since the connector is no longer protected by the dust cap, we recommend that precaution is taken to protect the black terminal housing.* Run the cable toward the electrical junction box where the wall plate is to be mounted. Insert the male connector of the wall plate or Flying Lead into the female connector of the Runner Cable. Apply the 3" section of heat shrink or electrician's tape over the mating connectors. The RapidRun cable will provide many years of reliable service.