Fujikura

INSTALLATION GUIDE

Wrapping Tube Cable™ with SpiderWeb Ribbon® mid-access cable preparation.

Preparing a 432f cable for the Apex X-2 and Apex X-2S splice closure.

Scan for Fujikura Network Rail support

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NetworkRail

Measure and mark 4.2 metres for the X-2S or 4.4m for the X-2,

The following steps detail the recommended procedure of cable preparation.

1

Determine the centre of your loop. This will be your starting point.

For the Apex X-2S measure 2.1m in each direction (4.2m total) and mark the cable at both ends. This is the ring cut location.

For the Apex X-2 measure 2.2m in each direction (4.4m total) and mark the cable at both ends. This is the ring cut location.

2

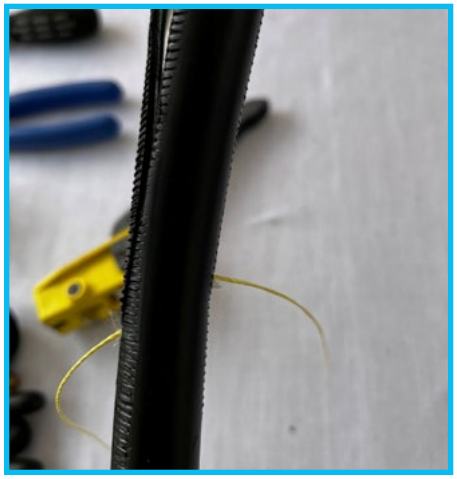
At the centre of the loop, use a pipe cutter to make two ring cuts 30mm apart and remove the short section of the outer jacket.

This will expose the ripcords.

3

Use the sheath ripper to expose enough ripcord to start the process of removing the remaining outer armoured sheath.

Rip the jacket next to each ripcord in both directions.



This will give you enough purchase of exposed ripcord to continue ripping through the armoured outer sheath.

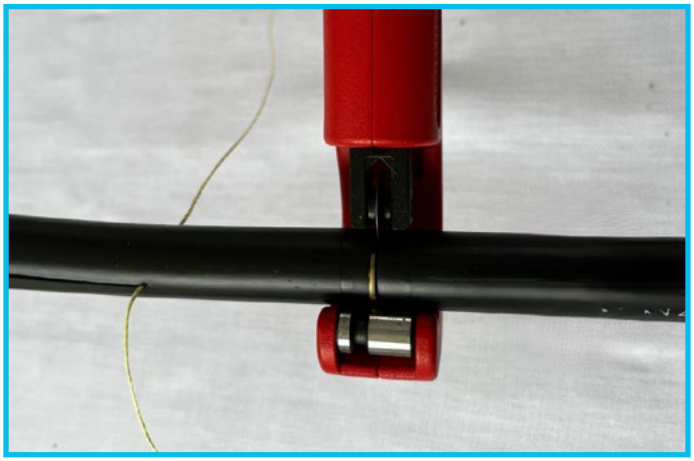
Using a screwdriver handle (or similar), wrap the ripcord around it and pull down the length of the cable.

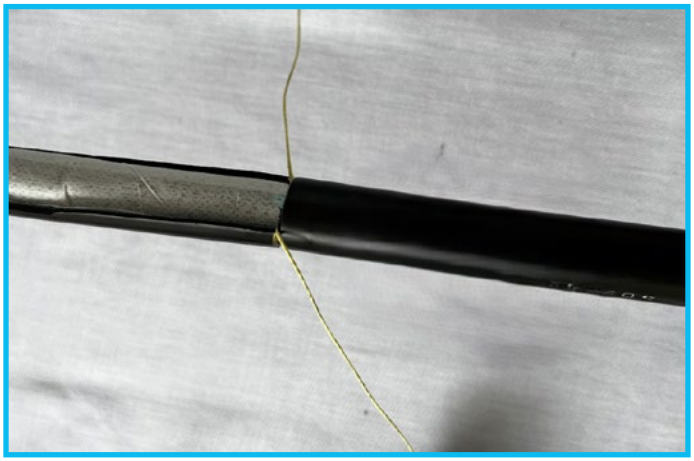
4

Because you know the length required is 4.2/4.4 metres, you should have determined the location of the pending ring cut and marked the cable.

Pull both ripcords to within 5cm of the marked ring cut.

Use a pipe cutter to make your ring cut and finish pulling the ripcords to the ring cut only after making the ring cut.





Once the armour has been removed, move on to removing the inner sheath and exposing the fibre.

5

Use a cable shaver to expose the ripcords.

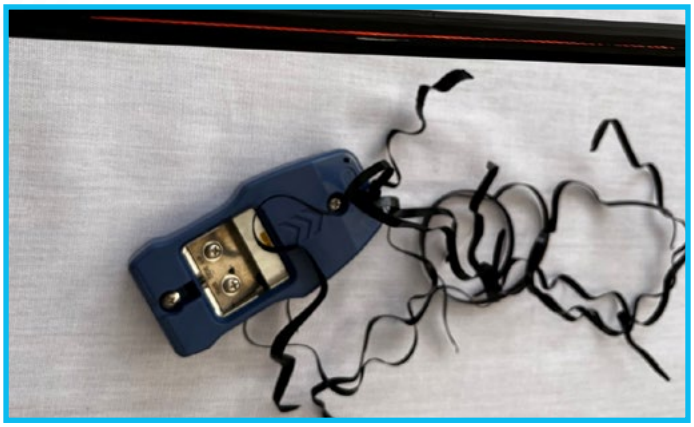
There is a small ridge on the inner sheath - this is the ripcord identifier. This is where the cable needs to be shaved on both sides.

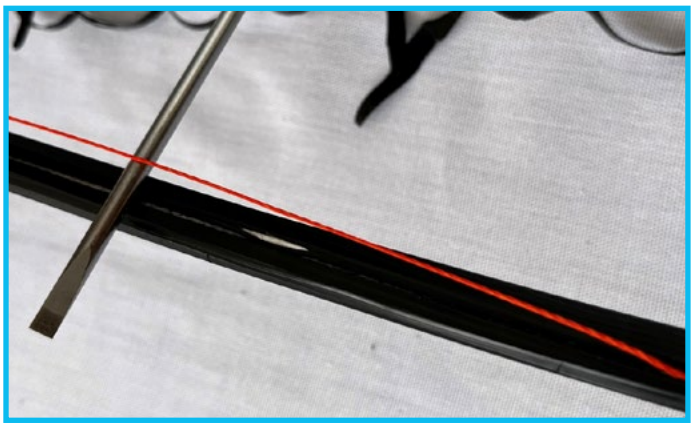
You will need to make several 40cm passes over the identifiers with the shaver.

The first pass needs to be directly along the ridge, the next two passes will be along the edge of the first pass at a slight angle. This will create a chamfer, making the next pass down the identifier much easier.

Repeat this process until a minimum of 10 cm of the ripcord is visible.

Once the ripcord has been exposed on both sides, use a blunt tool to pluck it from the cable and cut it in the centre, leaving equal lengths to start your pull.





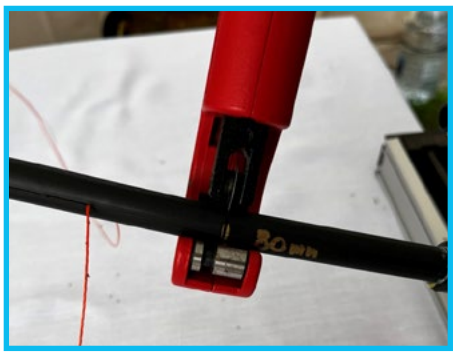
6

There should be enough ripcord exposed to pull it back along the ripcord identifier.

Wearing gloves, you can pull this by hand without any problems.

Mark your ring cut at 80mm from the outer sheath ring cut. This will be the same for all the Apex series enclosures.

Remove the inner jacket to expose the fibre.



7

To complete the cable preparation, keep 220mm of the moisture wrap material intact by using 50mm strips of PVC tape wrap to keep the moisture blocking around the fibre. This is part of the Apex X-2 series installation.

The cable is ready to be installed into the Apex enclosure.