



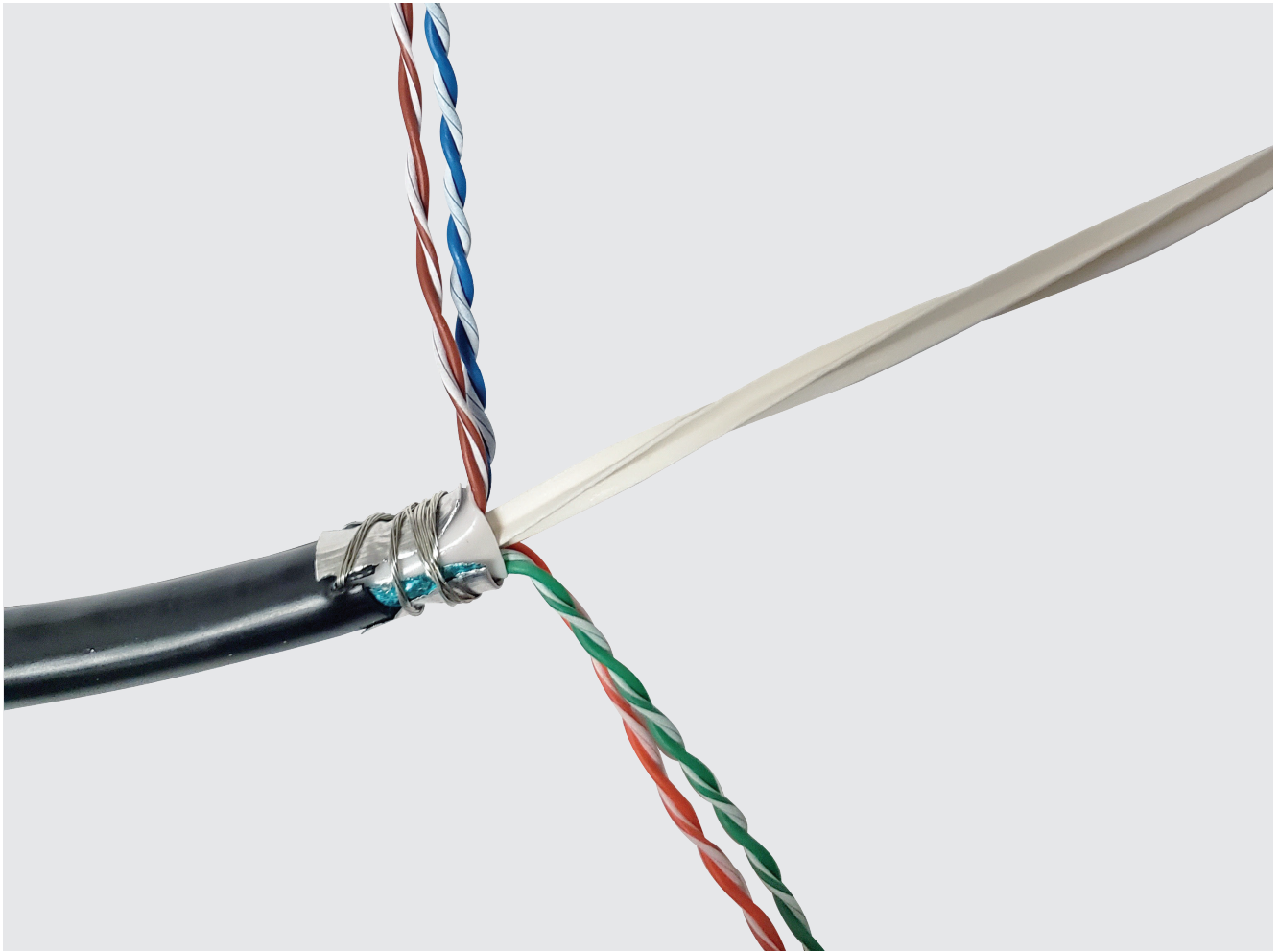
Cable Preparation Guide

Getting cables ready for the DataTuff
Industrial REVConnect connector

Step-by-step instructions
for easy success in
terminating shielded
cables

Be certain.
Belden.

Successful Termination of Shielded Cable



The DataTuff Industrial REVConnect enables easy field-termination of a variety of cables, included those with foil or braided-foil shields. To help you ensure the best results, follow these steps for preparing your cable ends.

Tools You'll Need



**Industrial REVConnect
Cable Crimping Tool**

Part Number RVUTT01

or



Cable Stripping Tool

Part Number RVUCT01
(1 comes automatically with your
Industrial REVConnect Crimping Tool)



Any Standard Pliers optional

Foil-Shielded Cable

Process applies to Belden part numbers like 7919A, 7929A, 7936A, 7937A and 7958A

Note: this method will prevent the cable stripping tool from cutting too deep, thus protecting the wire insulation

- 1

A close-up photograph of a blue cable being stripped by a tool. An orange double-headed arrow above the tool indicates a 2 1/2 inch length to be removed.

Using the cable stripping tool, remove 2.5" of the outer jacket and the foil shielding
- 2

Two photographs showing a pair of wire cutters making a small slit in the blue outer jacket. An orange circle highlights the cut area, and an orange arrow points to the right-hand image showing the slit more clearly.

Make a small slit in the jacket close to the drain wire; make sure not to cut anything but the outer jacketing
- 3

Two photographs showing the process of pulling a drain wire through the slit. The left image shows the wire being inserted, and the right image shows it being pulled through, with an orange arrow and '1 1/2 in' indicating the length of the slit.

Position the drain wire in the slit, then pull it down to create a slit approximately 1.5" in length; you may need to grab the drain wire end with pliers to grip it firmly while tearing through the strong jacketing
- 4

A photograph showing the blue outer jacket being peeled back along the length of the slit, revealing the underlying foil shield.

From the free end, carefully peel the jacketing away from the foil along the full length of the slit
- 5

A photograph showing the peeled back jacketing being cut with wire cutters at the base of the slit.

Cut off the peeled back jacketing at the base of the slit; make sure to leave the foil in place
- 6

A photograph showing the foil shield being folded over the jacketing and the drain wire being wound around it. An orange double-headed arrow above indicates a 1/2 inch segment.

Fold the foil down over the outside of the jacketing, then wind the free end of the drain wire around the foil-covered jacket; keep just a 0.5" segment of foil, cutting the rest away
- 7

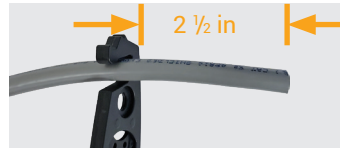
A photograph showing the final cable with the PET tape removed from the drain wire winding.

Peel away the PET tape and cut it off; your cable is now ready for termination

Foil and Braided Shielded Cable

Process applies to Belden part numbers like 7921A, 7938A and 7957A

1



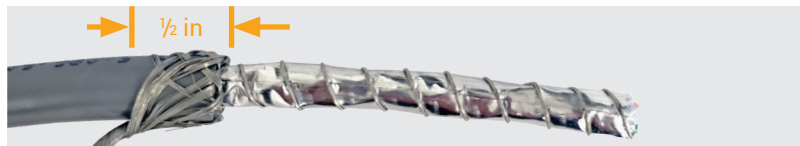
Using the cable stripping tool, remove 2.5" of the exterior jacket material

2



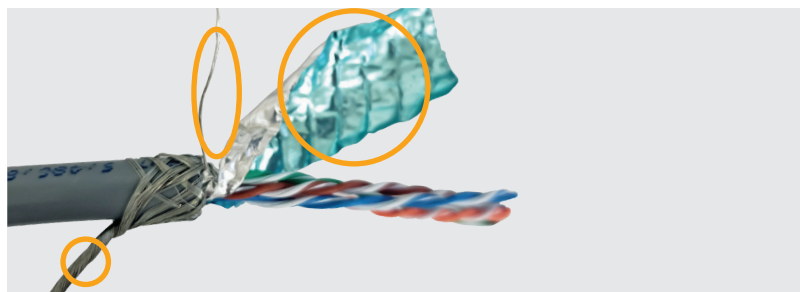
Begin pulling the braided shield down toward the edge of the jacketing

3



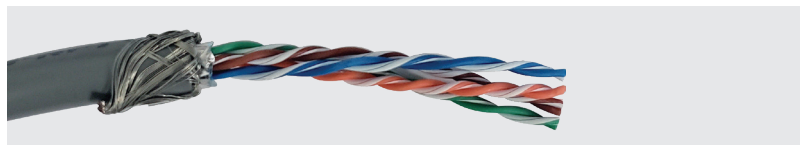
Keep approximately 0.5" of the braided shield around the exposed top of the jacketing; twist the remaining braided shield to tighten the ends of the braid together

4



Unwind the drain wire to the top of the jacketing and pull the foil to separate it from the twisted pairs

5



Cut and remove the exposed drain wire, foil shielding and braided shield "tail"; your cable is now ready for termination

Special Case: Cable with Tight Jacket-Foil Clearance

Process applies to Belden part numbers like 7953A

1



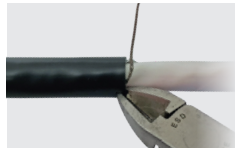
Using the cable stripping tool, remove 2.5" of the exterior jacket material

2



Remove outer jacket and foil shielding from exposed end

3



Make a small slit in the jacket close to the drain wire; make sure not to cut anything but the outer jacketing

4



Position the drain wire in the slit, then pull it down to create a slit approximately 1.5" in length; you may need to grab the drain wire end with pliers to grip it firmly while tearing through the strong jacketing

5



From the free end, carefully peel the jacketing away from the foil along the full length of the slit

6



At the end of the slit, cut off the peeled back outer jacketing; carefully peel back the foil shielding but DO NOT cut it away; using the cable stripping tool, remove 2.5" of the inner jacket material

7



Make a small slit in the jacket close to the ripcord; make sure not to cut anything but the inner jacketing

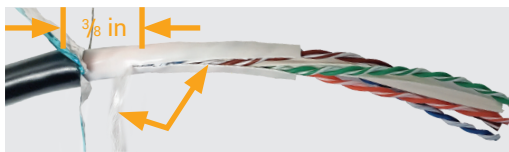
(Process continues on next page)

8



Position the ripcord in the slit, then pull it down to create a slit in the inner jacket; leave approximately 3/8" of solid inner jacketing between the bottom of the slit and the top of the outer jacketing

9



At the end of the slit, cut off the peeled back inner jacketing and the loose ripcord end

10



Smooth the foil ends back up over the cut inner jacket and exposed twisted pairs

11



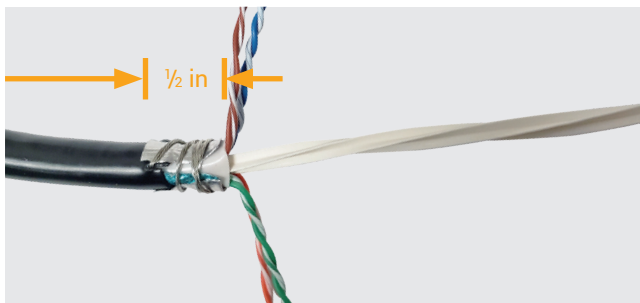
Turn back the foil shielding from the end of the inner jacket, with the conductive surface side facing out for grounding

12



Wind the free end of the drain wire around the foil-covered jacketing

13



Keep just a 0.5" segment of foil by cutting the rest away and your cable is ready for termination