

Description

DM-CONN-20 is a package of 20 RJ-45 shielded connectors designed for use in terminating Crestron® DigitalMedia Cable (DM-CBL). DigitalMedia connectors come in two parts and are used to terminate the blue Shielded Twisted Pair (STP) cable (sectional view shown to the right) that plugs into the D port of a DigitalMedia device.

Proper cable termination will ensure that the cable lengths for the terminated CAT5e and terminated STP cables are similar. The only tools required for assembly are a wire stripper, razor knife and side cuts (or edge nippers).

Use the following procedure to assemble the connectors with STP cable. Use caution to avoid nicking or cutting the wires or insulation. Pin assignments are listed in the table to the right.

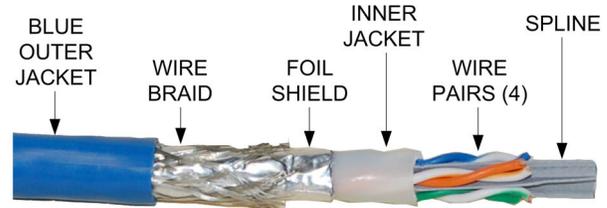
- Strip 6 inches (153 mm) of the DigitalMedia Cable to expose the three inner cables.
- Strip the blue outer jacket of the STP cable 1 3/4 inch (45 mm) from end. Gather and twist the braid. Refer to "Strip Jacket and Trim Shield" to the right.
- Trim foil shield to 1/2 inch (13 mm) and fold back against the outer jacket of the cable. Refer to "Strip Jacket and Trim Shield" and "Fold Foil and Cut Spline" to the right.
- Remove the white inner jacket and separate the twisted pairs to expose the spline. Cut the spline so that it is near flush with the outer jacket of the STP cable. Return twisted pairs to original position. Refer to "Fold Foil and Cut Spline" to the right.
- Fold foil shield back to original position over wire pairs. Neatly wrap twisted braid around foil shield. Only silver side of foil shield is conductive. Refer to "Wrap Braid around Shield" to the right.

NOTE: Braid should wind neatly around foil shield. Loose braid may cause shorts or difficulty completing assembly of connector.

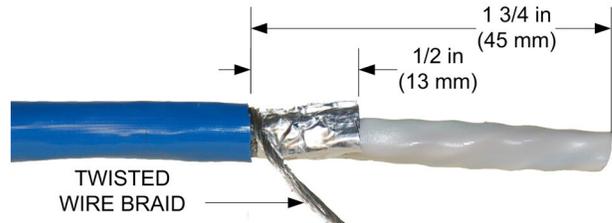
NOTE: Do not allow the twisted pairs to untwist for more than 1/2 inch (13 mm).

- Arrange brown and green wire pairs for T568B termination (shown on the attached tag). Insert the brown and green wire pairs into the holes in the connector. Refer to "Insert Wires in Holes" to the right. Pull the excess wire through the holes until the wrapped braid is near flush to the insertion point of the holes.
- Arrange the blue and orange wire pairs for T568B termination (shown on the attached tag). Seat the blue and orange pairs in the wire channels on the top of the connector. Refer to "Attach Plastic Clamp" to the right.
- Snap the attached plastic clamp to secure the wire. Refer to "Attach Plastic Clamp" to the right.
- Trim the blue and orange pairs with the side cuts so that they are flush with the end of the wire channels. Trim the brown and green pairs so that the ends are flush with the holes on the connector. Refer to "Trim Wires" to the right.
- Align and attach the other half of the connector. To complete assembly, press firmly until you hear a click. Refer to "Complete Assembly" to the right.

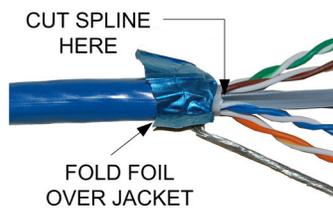
STP Cable – Sectional View



Strip Jacket and Trim Shield



Fold Foil and Cut Spline



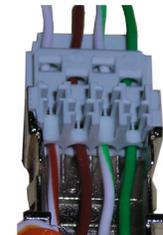
Wrap Braid around Shield



Pin Assignments

PIN #	COLOR
1	Orange/White
2	Orange
4	Blue
5	Blue/White
7	Brown/White
8	Brown
3	Green/White
6	Green

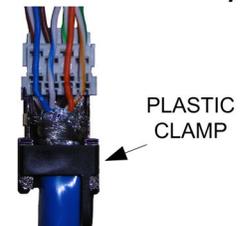
Insert Wires in Holes



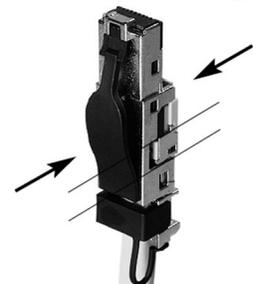
Trim Wires



Attach Plastic Clamp



Complete Assembly



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Data Sheet – DOC. 6767B (2023058)

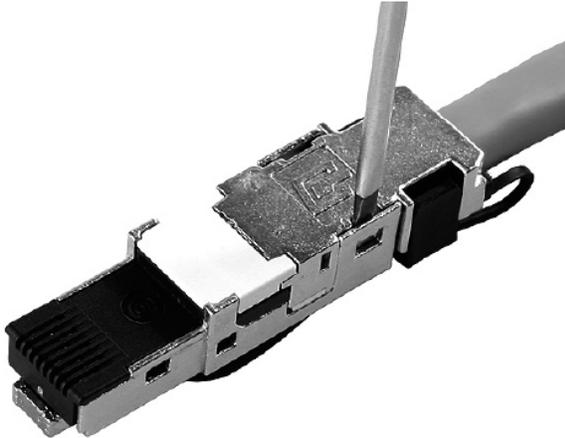
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Specifications subject to change without notice.

Use the following procedure to disassemble the connector. The only tool required is a flat head mini-screwdriver (not supplied).

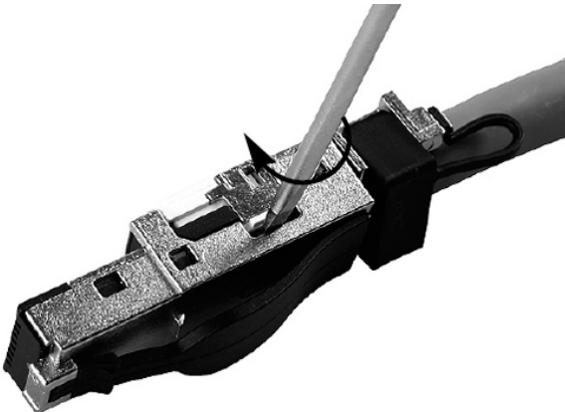
1. Hold the connector with the flat side facing up, and use a mini-screwdriver to separate the interlocking sides of the connector. Twist the screwdriver until the side separates from the connector, refer to "Separate Interlocking Sides of Connector" below.

Separate Interlocking Sides of Connector



2. Insert screwdriver in gap that is created on the same side and twist to finish disassembly of connector, refer to "Separate Side of Connector" below.

Separate Side of Connector



3. It may be necessary to repeat steps 1 and 2 for the other side of the connector.

Further Inquiries

If you cannot locate specific information or have questions after reviewing this sheet, please take advantage of Crestron's award winning customer service team by calling Crestron at 1-888-CRESTRON [1-888-273-7876].

You can also log onto the online help section of the Crestron website (www.crestron.com/onlinehelp) to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact an authorized CRESTRON dealer. Only authorized CRESTRON dealers may contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number and return address.
2. Products may be returned for credit, exchange or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, 6 Volvo Drive, Rockleigh, N.J. or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee plus shipping costs on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended or if it has been subjected to misuse, accidental damage, modification or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON is not liable for any claim made by a third party or made by the purchaser for a third party.

CRESTRON shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.

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