CAT6 UNSHIELDED RJ-45 PLUG (2-PIECE)

ASSEMBLY INSTRUCTIONS

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

Contents

1. Components 3
2. Assembly Steps ..... 4 - 5
3. Testing 6
4. Troubleshooting 6

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1. COMPONENTS

Cable:
Cat6 UTP Solid or Stranded conductors

Connector:
Cat6 2-piece Unshielded RJ-45 plug
(Part Numbers: C68P8CUS2P-X, C68P8CUS2P-L)

Boot:
As specified by customer

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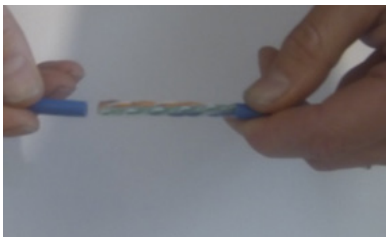
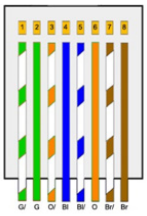
2. ASSEMBLY STEPS

Step 1
Slide boot onto cable.

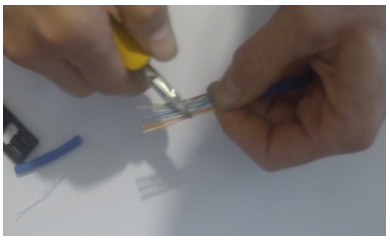
Step 2
Remove 5cm of jacket. Take care not to cut the conductor insulation which results in the conductor being exposed.



Step 3
Refer to 568A wiring diagram and arrange pairs in correct order



Step 4
Once arranged trim conductors at an angle, this aids to insert the conductors into the wire guide.



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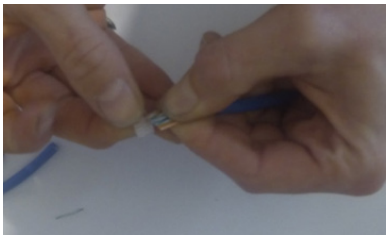
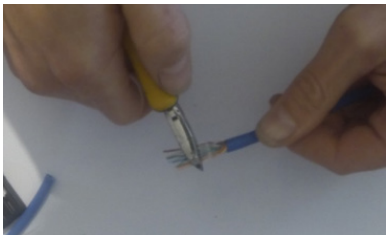
Step 5
Insert conductors into the wire guide, check that conductors are still arranged in the 568A order and push the wire guide up to the jacket as close as possible



Step 6
Trim the conductors parallel with the end of the wire guide.



Step 7
With the RJ-45 plugs Gold contacts facing up, insert the prepared conductors and wire guide into the RJ-45 plug.
Visual Check: All 8 conductors should be touching the inside end of the RJ-45 plug. The jacket should be far enough inside the RJ-45 plug that once crimped the "jaw" will close down onto the jacket.

Step 8
Place the RJ-45 plug into crimping tool and applying some pressure onto the cable, crimp the RJ-45 plug.

Step 9
Remove RJ-45 plug from crimping tool and inspect the "jaw", checking to see that it has closed down onto the jacket.

Step 10
Slide boot into place.

Repeat the above steps for the other end of the cable.

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3. TESTING

Use the Fluke DTX-1800 with Cat6 UTP Patch Cord adapters to test and certify the patch cord.

Set "Test Limit" to "ISO Cat6 Patch Cord Test" for the length that matches the patch cord made.

Set cable type to "Cat6 UTP"

The Fluke tester will automatically set the NVP value

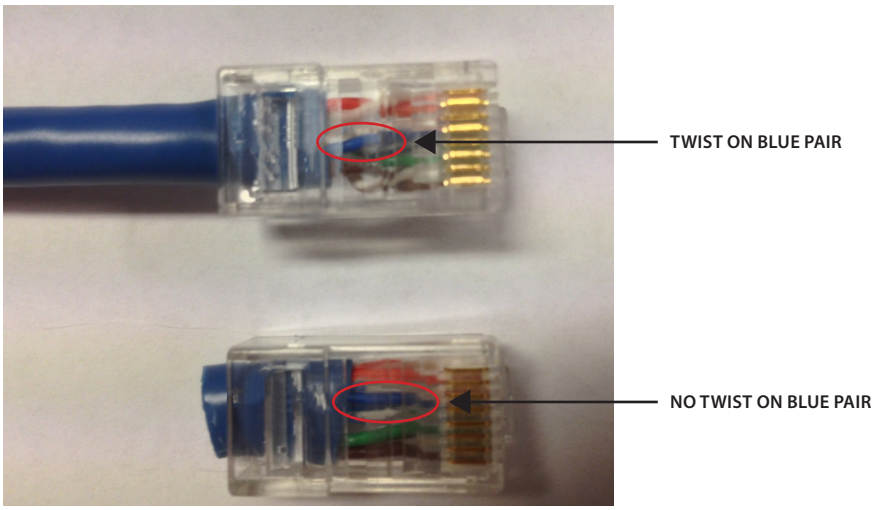
Check that wiring type is set to 568A

4. TROUBLESHOOTING

If Patch Cord Test Result is a fail, identify which parameter has failed.

If it is a NEXT failure, use the ODTX analysis to determine if the NEXT failure is occurring at the Main end or the Remote end.

Remove the problem RJ-45 plug from the DTX tester and inspect the pairs, looking for specifically for pairs that have no visible twists.



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