

AMP CO Panel 24 Ports Kit

1. SCOPE

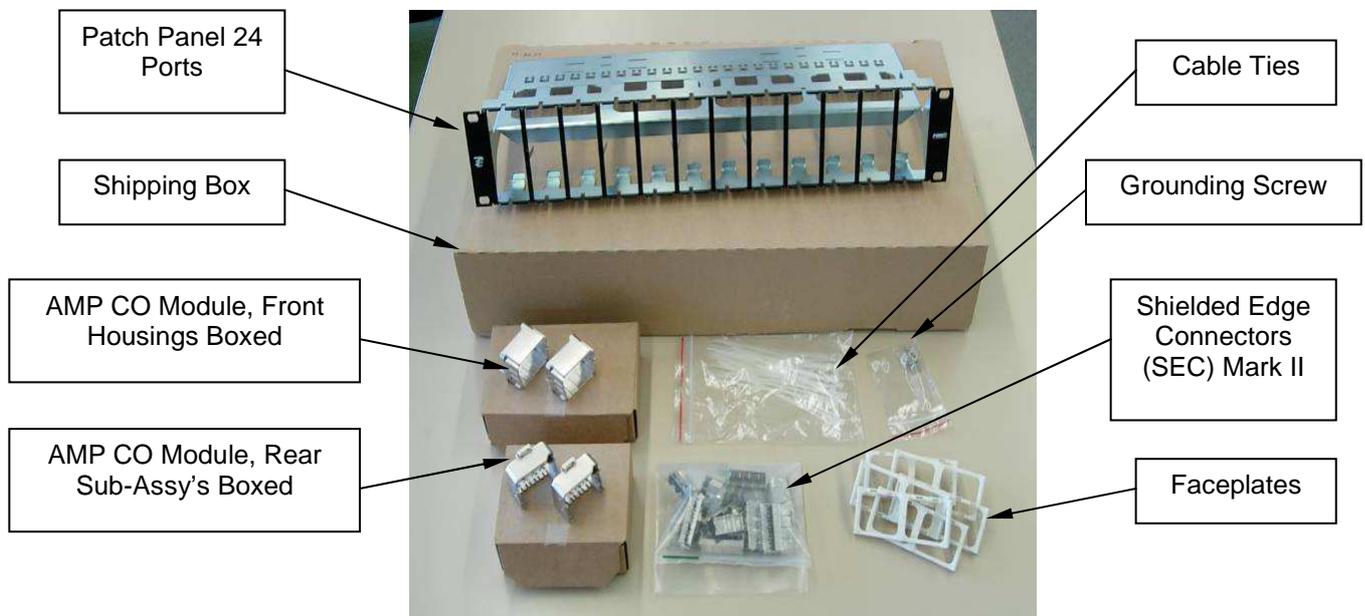
This specification describes termination procedures of AMP CO Panel 24 Ports Kit (AMPTRAC* ready):

- PN 1711686-1 AMP CO Panel 24 Ports Kit, Grey Colour
- PN 1711686-3 AMP CO Panel 24 Ports Kit, Black Colour

Shielded Edge Connector (SEC) accepts solid conductors in balanced copper cable; conductor diameter range 0.50 to 0.65mm [24-22 AWG] with a maximum insulation diameter of 1.6mm. For additional information about SEC, please refer to Tyco Electronics Product Spec. 108-22137.

2. PRODUCT FEATURES

2.1 Components included in the AMP CO Panel Kit:



Patch Panel 24 Ports

Shipping Box

AMP CO Module, Front Housings Boxed

AMP CO Module, Rear Sub-Assy's Boxed

Cable Ties

Grounding Screw

Shielded Edge Connectors (SEC) Mark II

Faceplates

2.2 Required tool for termination:



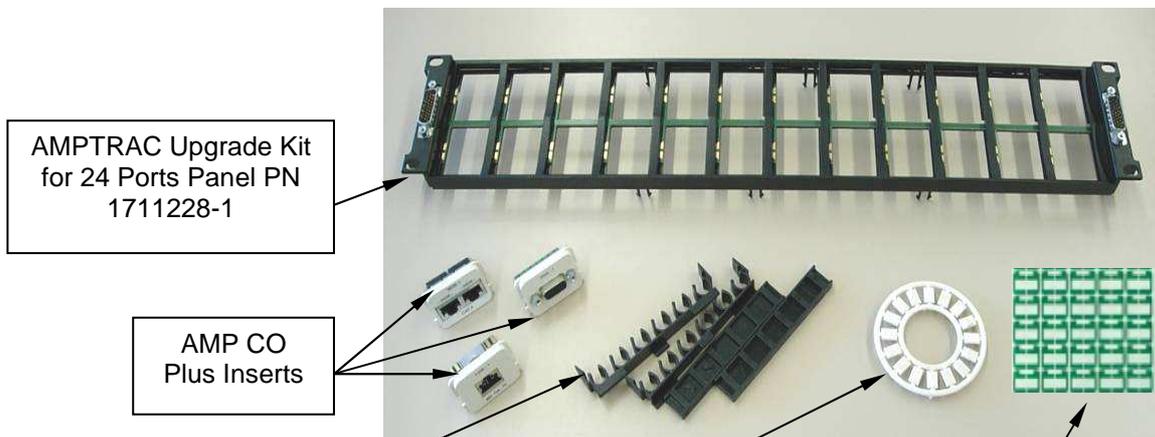
Pistol Tool Adapter for AMP CO PN 1711784-1

AMP CO Plus Pistol-Grip Tool PN 1711500-1



Alternative tool: Impact Tool PN 1375308-1, PN 1583608-1

2.3 Other components compatible with the AMP CO Panel Kit:



AMPTRAC Upgrade Kit for 24 Ports Panel PN 1711228-1

AMP CO Plus Inserts

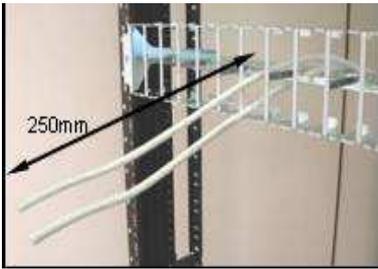
Hi-D CaRe Clips PN 1671131-1

Identification Icons PN Y-0558176-X, PN Y-0558198-X, PN Y-0558199-X, PN Y-0558821-X, PN Y-1375092-X

Labels for AMP CO Dual Inserts PN 2-0101021-X

3.-CABLE PREPARATION

3.1



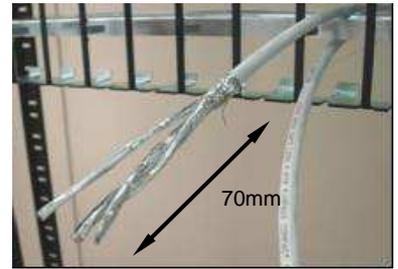
Pass the cables through the patch panel cut-outs; leave 250mm cable, at least, coming out of the panel.

3.2



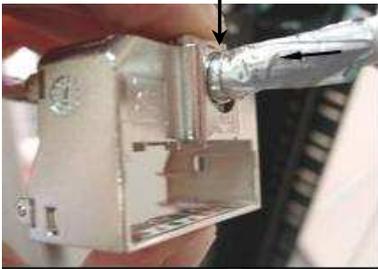
Pass two cables per cut-out, one of them through the panel square holes for the connector on the lower side

3.3



Cut-out the cable jacket approx. 70mm and fold back the metal braid fixing the drain wire around the sheath when necessary

3.4



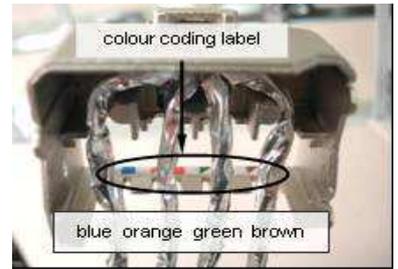
Push the cable clamp down and pass the cable through the rear housing

3.5



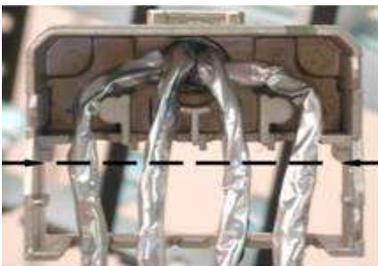
Release the cable clamp when it is pressing both jacket and braid

3.6



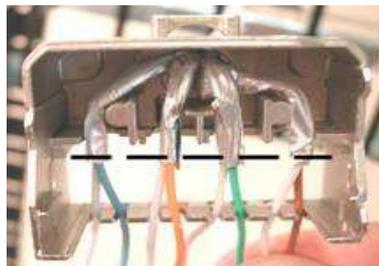
Sort the pairs inside the rear housing according to the colour coding label

3.7



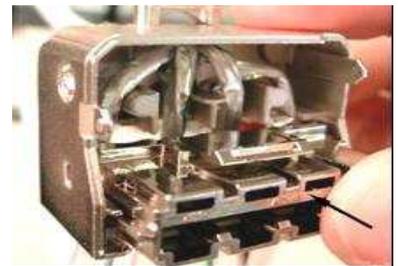
Mark the foils using the rear housing reference, as shown

3.8



Cut-out the foils and arrange the wires into the rear housing slots

3.9



Insert up to the limit the SEC into the rear housing, positioned as shown

4.-CRIMP INSTRUCTIONS

4.1



Carefully check from the back the correct position of the wires over the SEC IDC blocks (re-arrange the wires if necessary) and the correct position of each pair's foil: wrapped around the wires and as close as possible to the IDC block

4.2



Make sure the Tool Adapter for AMP CO is fully inserted into the Pistol Grip Tool, as shown

4.3



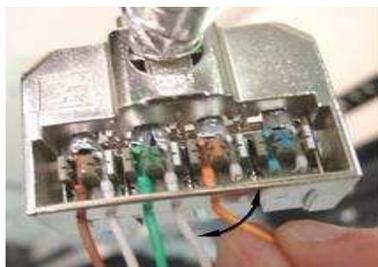
Insert up to the limit the rear housing group into the Pistol Grip Tool and terminate the wires with the Tool

4.4



Alternatively to the Pistol Grip Tool, or for re-termination, terminate the wires using the Impact Tool on every wire.

4.5



Extract the group from the Pistol Tool and remove the cut wire pieces, keeping the SEC position into the housing

4.6



Check there are no cut-wire fragments left and re-check the correct position of the foils

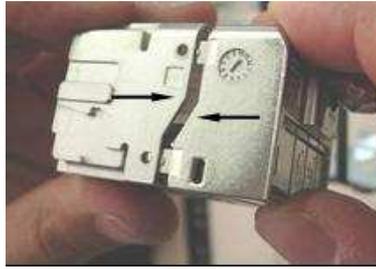
5.-ASSEMBLY INSTRUCTION

5.1



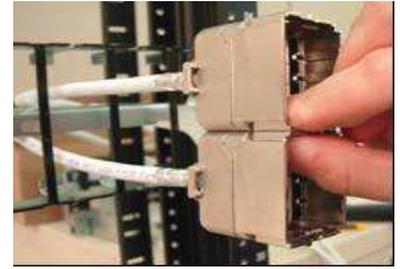
Attach the SEC cover, until listening/feeling the “click” indicating correct latching of the cover

5.2



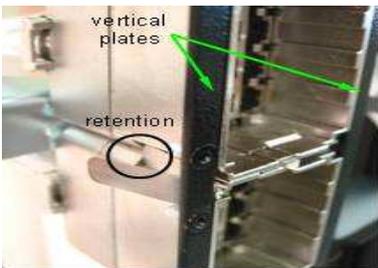
Attach the front housing to the rear housing, until listening/feeling the “click” indicating correct assembly

5.3



Bring together two AMP CO modules vertically, cable clamp on the left side, as shown and insert simultaneously from the front into the patch panel

5.4



Insert the modules up to the limit until listening/feeling the “click” and verify the correct retention into the panel; do not push or pull on the vertical plates of the patch panel as they could get deformed

5.5



Assemble the AMP CO Inserts (not included in the kit) from the front until listening/feeling the “click” indicating correct assembly

5.6



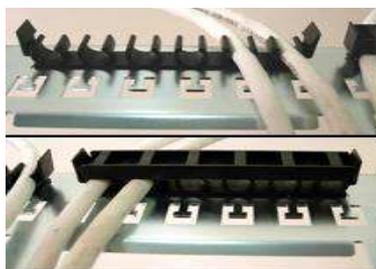
Fix grounding screw to the panel

5.7



Use cable ties and fasten the cables

5.8



Alternatively to cable tie use Hi-D CaRe Clips to fix the cables or use Grounding Clamps to achieve additional shield contact

5.9



Additional identification of the ports may be achieved by using Icons, Labels for Dual Inserts and labels on the flat surfaces of faceplates

6.-DISMANTLING

6.1



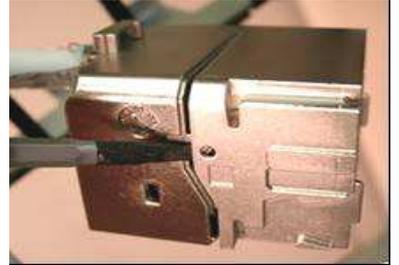
If necessary AMP CO Plus Inserts may be easily removed using a flat screwdriver (having previously removed the faceplate)

6.2



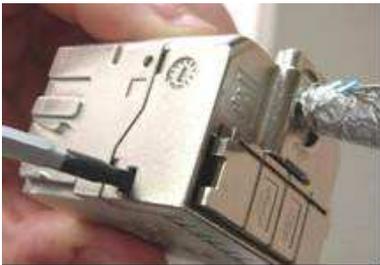
If necessary AMP CO modules may be easily removed using a flat screwdriver on the panel retention and pushing from the back (having previously removed the faceplate)

6.3



If necessary for re-termination, AMP CO modules may be easily opened using a flat screwdriver

6.4



If necessary for re-termination, SEC may be easily opened using a flat screwdriver through the slots on the sides of the rear housing