PowerCat 6A Shielded DataGate Jack (Molex KSJ-00062-xx)

U/FTP Cable termination procedure
PowerCat 6A shielded jack components

PowerCat 6A Shielded Jack
- Jack body
- Stuffer Cap
- Rear housing
U/FTP cable preparation

Ensure spring loaded rear housing clamp is in open position
If necessary, close cable clamp to restrict rear housing movement along cable
Without damaging foils, use jacket stripper to score outer insulation about 3 inches back, remove cable jacket.

Ensure the foils are not damaged.
Peel back foils of three pairs and cut them to cable jacket
U/FTP cable preparation

- Peel back the fourth foil and straighten with the Clipper handle.
Ensure the blue plastic laminated side of the foil is inside when wrapping the foil around the cable jacket – in a spiral manner.
By looping the drain wire, tie a knot on the wrapped foil. Once in place, wind the drain wire in a spiral manner in the opposite direction from that of the foil – this would hold the foil in place.
Draw back the drain wire and add a very small adhesive tape on the section the drain wire, foil end above the cable jacket. Wind the excess length of the drain wire over the cable jacket.
By having the rear housing clamped on the end of foil, the foil stays in place and does not loosen during the rest of the termination process.
Position wire pairs - which wire pairs you move will depend on which end of the cable you are working on and what wire map you are using.

Always minimize the change in cable geometry to maximize performance.
U/FTP cable preparation

- Insert pairs per wire map 568A or 568B
- Ensure untwisting of pairs is minimized
110 tool should be held at slight angle (no more than 10-15°) to ensure:
- Flush cut termination
- Wires are fully seated in IDT towers
Clip any wire or gouged plastic that protrudes outside IDT towers with flush cut tool
Completing the termination

- Slide stuffer cap over IDT housing and press fit in place
- If stuffer cap does not snap easily into place:
  1) Check that the wires are punched all the way down
  2) Use the flush cut tool to clean up any wire or plastic protruding outside tower
  3) Check that foil wrap is not interfering
Completing the termination

- Open rear housing cable clamp and slide it along cable to jack body
- Ensure proper polarity is maintained between rear housing and jack body as shown
- Ensure rear housing snaps completely to jack body as shown
Completing the termination

- Trim excess foil from terminated jack
Completing the termination

- Wind the drain wire around the grounding lugs provided on rear housing

- Cut off excess length of drain wire
Completing the termination

This completes the PowerCat 6A Shielded Jack and U/FTP Cable termination
End of presentation
Please download & review the Video