


## Screened Toolless Keystone Jacks

The following installation instructions are intended to be used when installing the following Signamax connecting hardware:  
KJS458TL-C5E KJS458TL-C6C KJ458TL-C6AC

NOTE: Pictures of tools in these instructions used for example purposes only; actual tools may differ from those shown.

**1**



1. Electrician's scissors (or other cable cutting tool)  
2. Cable jacket stripping tool  
3. Shear cutter

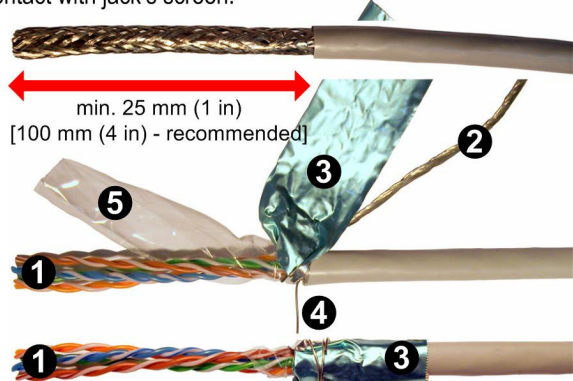
Make sure you have all necessary tools for that job:

**2**

Strip back at least 25 mm (1 in) of cable jacket (the more, the easier that will be to handle twisted-pair conductors and fix drain wire).

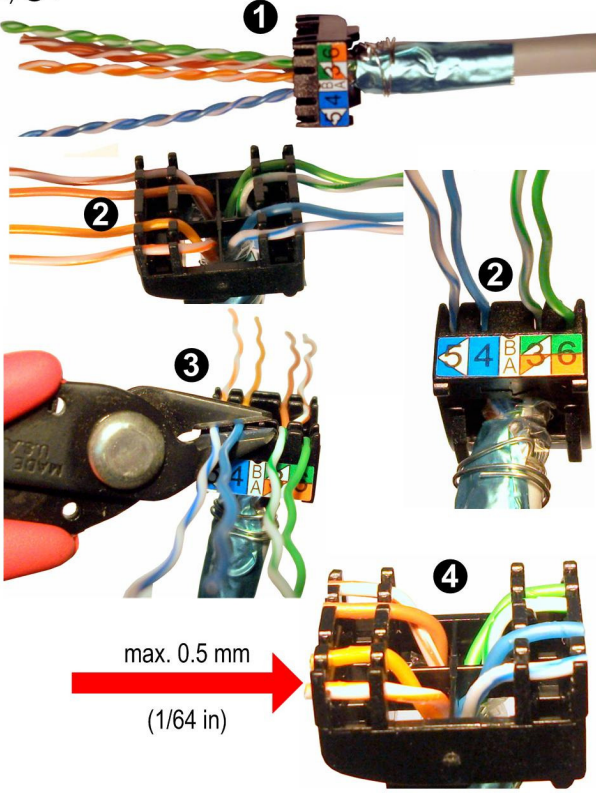
Separate twisted pairs **1**, braid **2**, screen(s) **3**, drain wire **4**, and other cable construction elements **5** (if present). Cut off all non-conducting elements **5** (if present), turn braid (if present) and screen(s) down, trim to approx. 25 mm (1 in) and wrap drain wire around them.

If there is no drain wire, make sure to wrap all foil screens with their conductive surfaces facing outside, to ensure reliable contact with jack's screen.



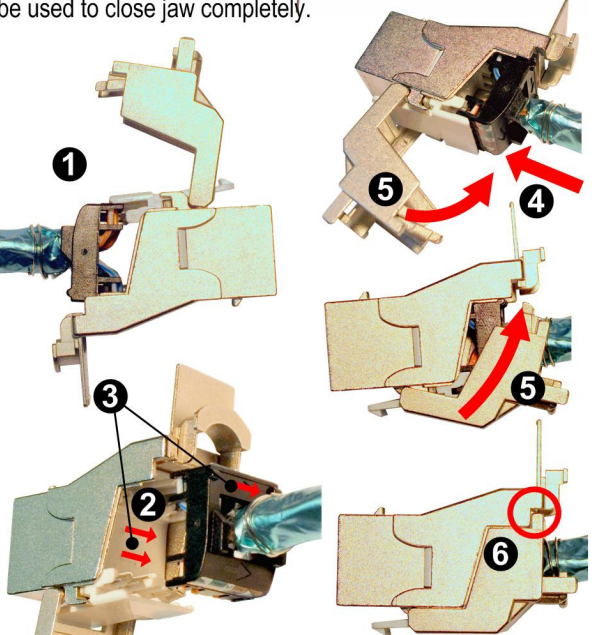
**3**

Thread twisted pairs through openings in termination cap according to desired wiring scheme **1**. Untwist pairs and place conductors into corresponding slots **2**. Cut off flush conductors' excess **3**. After excess removal conductors' ends shall not protrude more than 0.5 mm (1/64 in) **4**.



**4**

Start inserting termination cap **1** into jack's IDC compartment **2** in such way that arrows on cap and compartment's bottom point in one direction **3**. Press cap firmly **4** and start closing jack's termination jaw **5** until you hear a click **6**. Pliers or other appropriate tool may be used to close jaw completely.



INSTALLATION INSTRUCTIONS

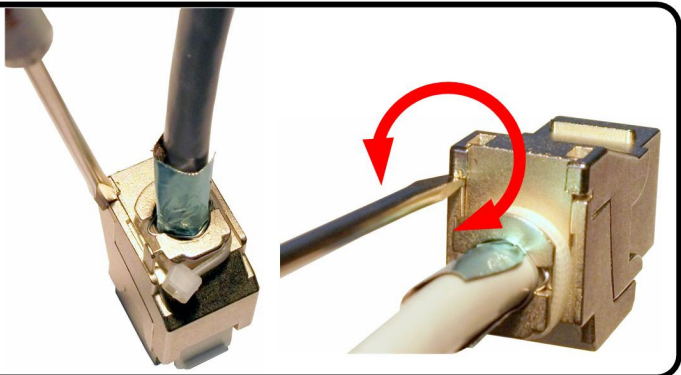
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INSTALLATION INSTRUCTIONS

**5** Push jack's grounding clip **1** toward its "locked" position. Make sure it butts against conductive cable screen elements (braid, foil, drain wire) **2**.

**6** Thread plastic cable tie **1** through opening on fixed part of grounding clip **2**, wrap it around both clip parts and tighten slightly. Move cable tie's lock into position where it will not interfere with jack's installation in mounting hardware. Tighten cable tie completely. Cut off its excess **2**.

KJS458TL-series keystone jacks are designed to be re-terminated. In order to open jack, cut off cable, cut and remove completely cable tie, insert small screwdriver's muzzle end into one of two special slots located between fixed part of jack's body and termination jaw, and start turning screwdriver slowly either direction until jaw opens. Remove cable's remains and release conductors from IDC gently pushing termination cap up. Make sure IDCs are not damaged (bent, twisted, split too far, etc.) after removal of conductors. Jack is ready for next termination.



KJS458TL-series keystone jacks can be connected directly to telecommunications bonding/grounding system using compliant grounding conductor equipped with 2.8 x 0.5-mm (0.110 x 0.020-in) female disconnect and grounding post **1** located on fixed part of grounding clip.

**WARNING:** Bonding/grounding connections must comply with all applicable local and national code. Signamax's warranty will not cover product and/or systems that are not installed in accordance with applicable code. Signamax does not recommend the use of active equipment bonding/grounding for screened telecommunications cabling connections; instead use telecommunications bonding/grounding systems. Incorrect bonding/grounding may lead to loss of property or life, and is solely the responsibility of the installer of Signamax products.