

### MT-Series Screened Keystone Jacks

The following installation instructions are intended to be used when installing the following Signamax connecting hardware:  
**KJS458MT-C6AC-xx** (xx: color of plastic accessories)

#### NOTES:

1. Keystone jacks shown in these instructions used for example purposes only; actual product may be slightly different in dimensions and design details.
2. Pictures of tools other than **KJMT-8600** used for example purposes only; actual tools may differ from those shown.

#### 1 Make sure you have all necessary tools for this job:

1. Electrician's scissors (or other cable cutting tool)
2. Cable jacket stripping tool
3. Shear cutter
3. Standard 110 single-position termination tool
4. KJMT-8600 four-pair termination tool



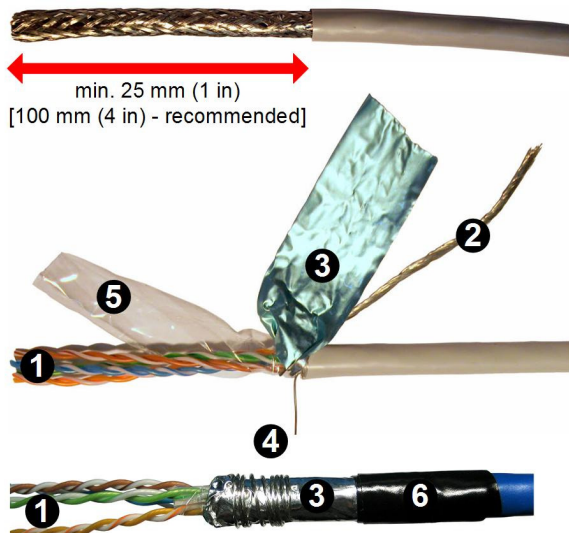
#### 2 Strip back at least 25 mm (1 in) of cable jacket (the more, the easier that will be to handle twisted-pair conductors and fix drain wire).

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 approximately 25 mm (1 in) and wrap drain wire around them.

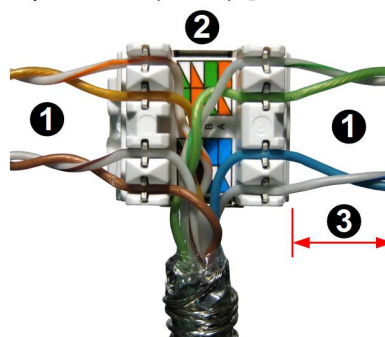
A piece of adhesive tape **6** can be used to fix screen(s) and drain wire.

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 Place cable conductors **1** into corresponding keystone module's contact slots according to required wiring scheme using color-code label **2**.

Trim excess conductors leaving them extending to approximately 15-25 mm (½ - 1 in) **3**.



#### 4 110 termination tool

Terminate cable conductors using a 110 termination tool equipped with a cutting blade for trimming excess conductors.

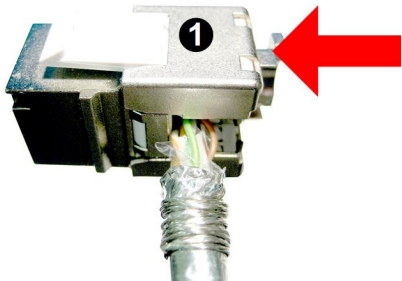


**Signamax KJMT-8600 tool**

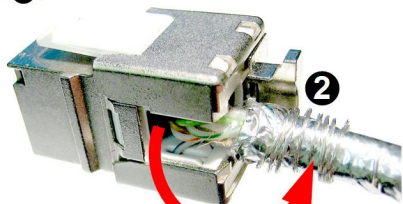
Follow instructions in supplemental KJMT-8600 termination instructions.

## MT-Series Screened Keystone Jacks

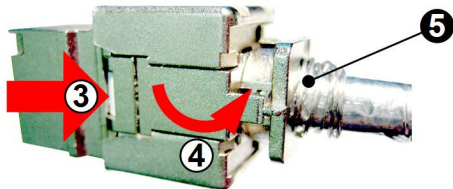
- 5** Apply and push jack's screen cap **1** toward its "locked" position until it snaps in place with audible click.



Turn cable 90 degrees until it aligns with cable entry clam on screen cap **2**.

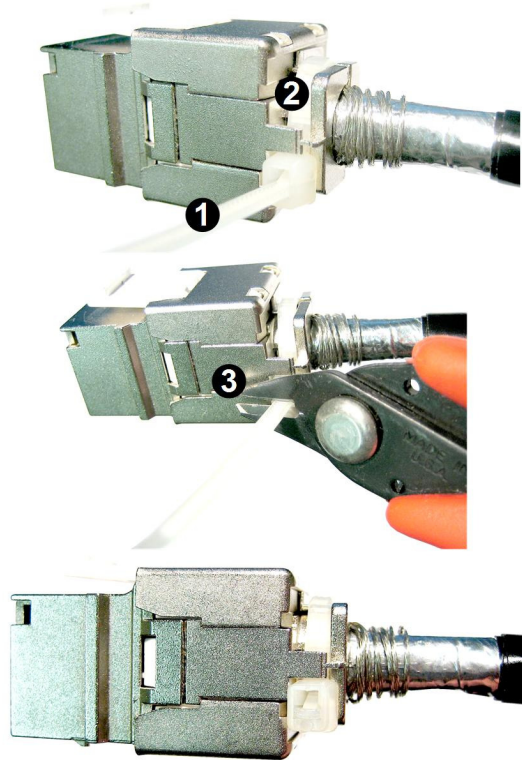


Insert **3** and lock **4** cable clip. Make sure it butts against present conductive cable screen elements (braid, foil, drain wire) **5**.



- 6** Thread plastic cable tie **1** through opening on cable clip, **2** wrap it around 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 **3**.



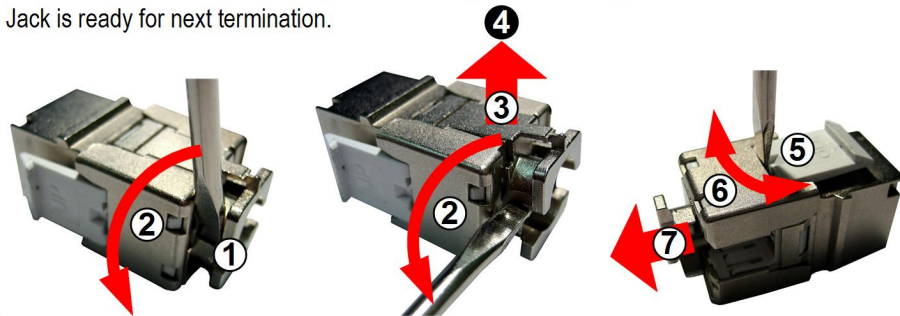
### DISASSEMBLING AND RE-TERMINATION

KJS458MT-series keystone jacks are designed to be re-terminated.

In order to open a jack, cut off cable, cut and remove completely cable tie, insert small flat-blade screwdriver's bit end into slot between screen cap and cable clip **1** and turn or tilt screwdriver **2** until cable clip opens **3**. Remove cable clip **4**. Insert screwdriver's end into slot between screen cap and plastic latch **5**, and tilt screwdriver **6** until screen cap is released **6**. Remove screen cap **7**.

Remove cable remains and release conductors from contacts. Visually inspect contacts for occasionally left pieces of conductor insulation plastic and copper and make sure contacts are not damaged (bent, twisted, split too far, etc.) after removing conductors.

Jack is ready for next termination.



### WARNING:

Bonding/grounding connections must comply with all applicable local and national codes.

Signamax warranty will not cover product and/or systems that are not installed in accordance with applicable codes. Signamax does not recommend to use active equipment bonding/grounding for connection of screened telecommunications cabling; telecommunications bonding/grounding systems should be used instead.

Incorrect bonding/grounding may lead to loss of property or life, and is solely the responsibility of the installer of Signamax products.