



Signal Insert

Inline and Panel Female SGH 8.1 | SGH 16.1

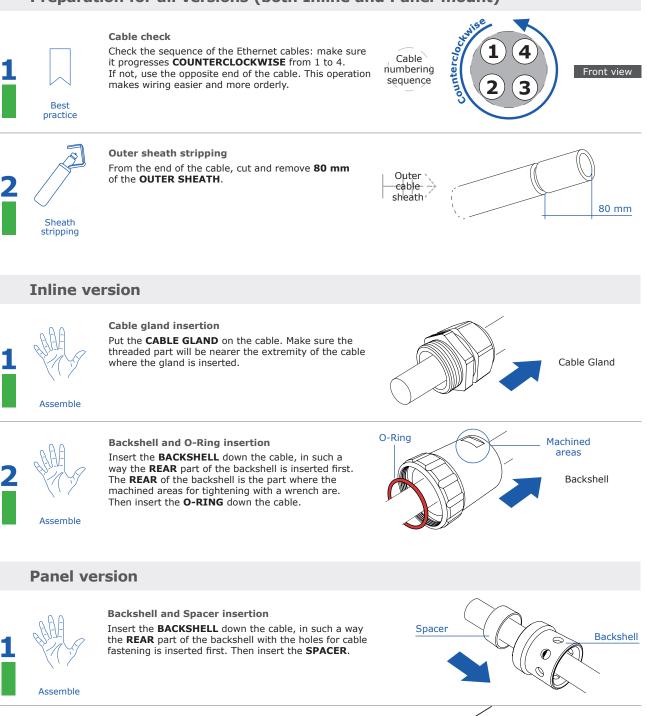
Syntax Wireasy Technology



Preliminary operations

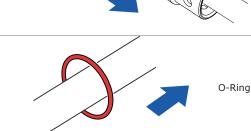


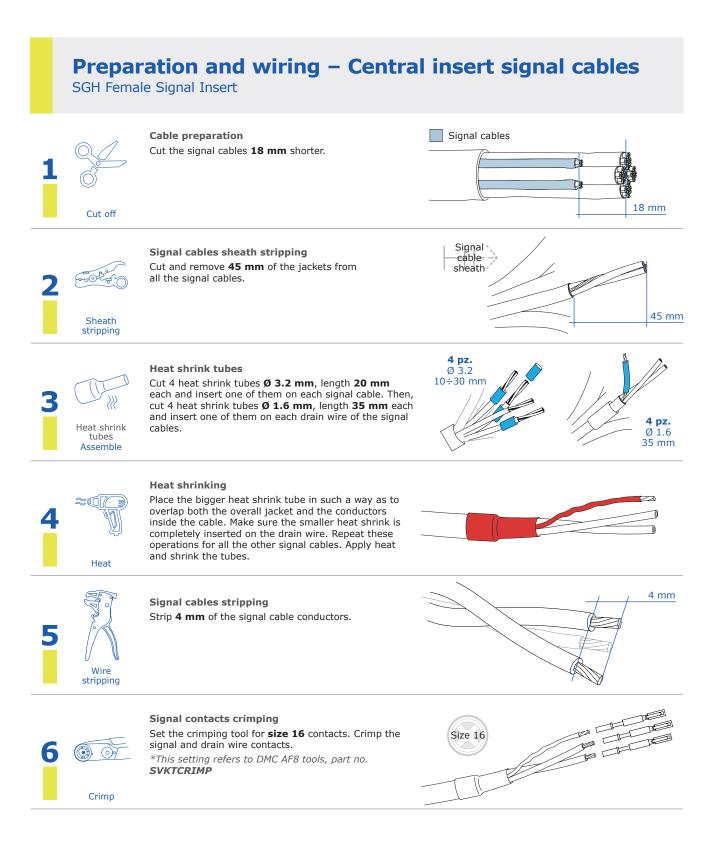


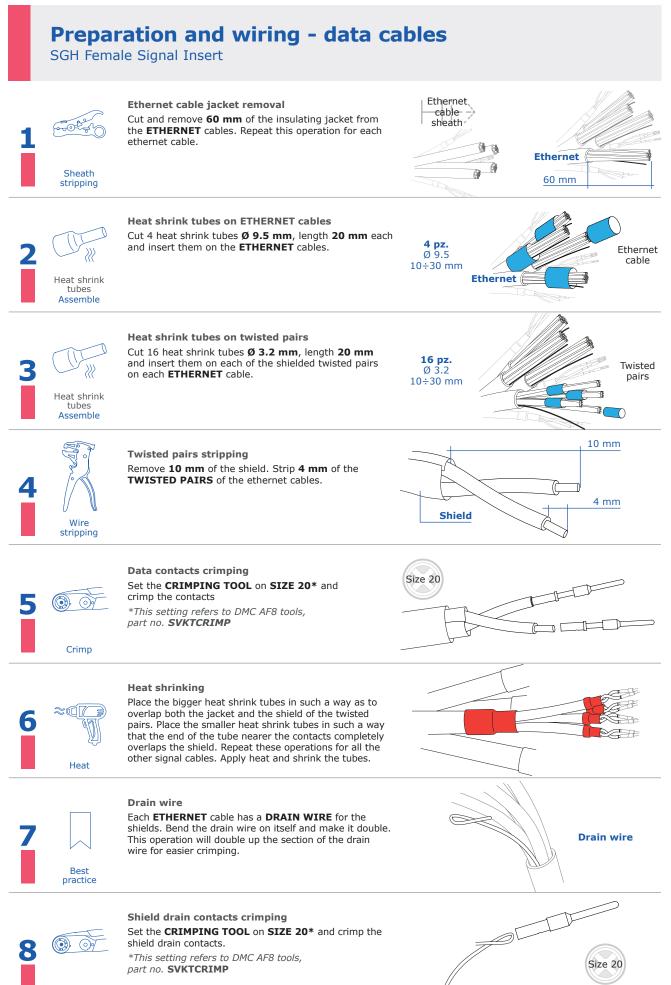


O-Ring insertion Insert the **O-RING** down the cable.

Assemble





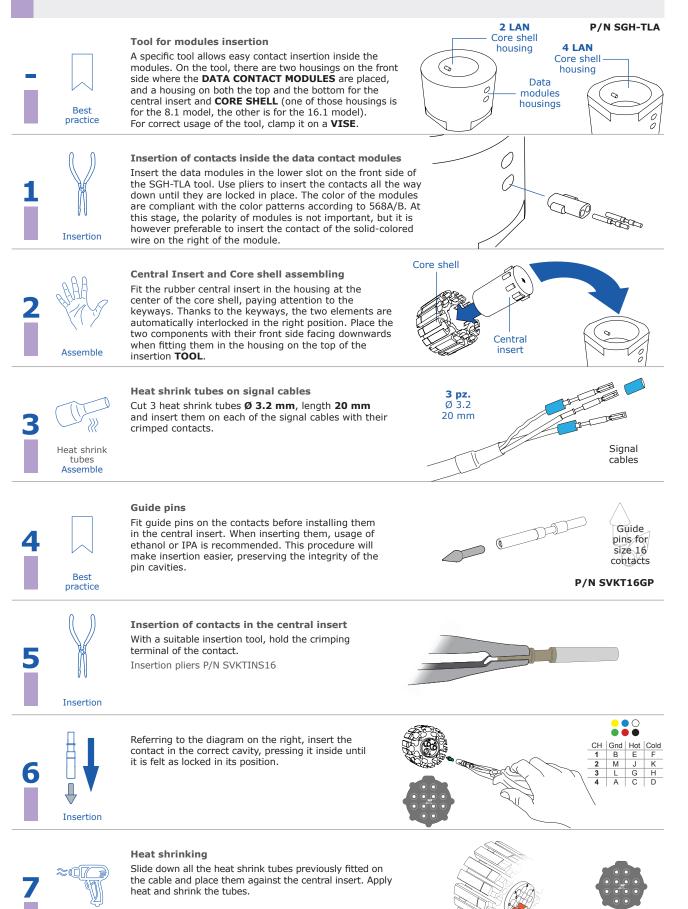


Crimp

Insertion of contacts, central insert and outer modules

SGH Female Signal Insert

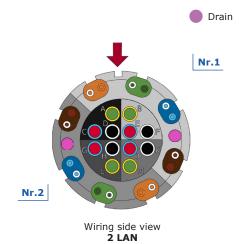
Heat



Rev_0.1

Data modules placement sequence

SGH Female Signal Insert





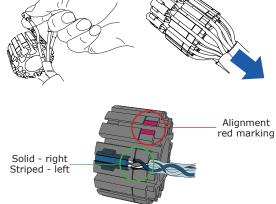
Wiring side view 4 LAN

1 Assemble

Modules placement

Insert the modules in the correct housings according to the wiring diagram. Pass the cable through the open slots of the core shell.

Pay attention to the color of the modules and to the color and position of the striped and solid wires of the twisted pairs.



Best

Alignment markings

The purpose of the **red marking** for the 16.1 series or the **longitudinal groove** for the 8.1 series is to provide a reference for a correct sequence of the colors of the signal contact pair modules. For a correct polarity of the **twisted pairs**, looking at the wiring side of the shell, insert the solid-colored wires on the right of the modules.

> Alignment longitudinal groove

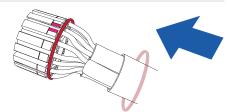


SGH Female Signal Insert



O-ring assembling

Slide the **O-RING** down the cable onto the core shell and place it in its specific position.

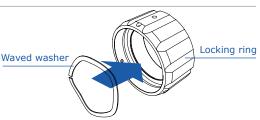




Best practice

Assemble

Waved washer and locking ring assembling Insert the WAVED WASHER into the locking ring from the side where the roller pins are, and place it past the roller pins.



Tightening tool

Fasten the tightening tool firmly on a flat surface. Fit the connector's metal capsule on the tool, making sure the threaded part of the capsule faces upwards.

Locking ring assembling

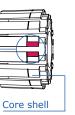
Place the locking ring (complete with its waved washer) so as the roller pins are fitted in their recessed housings inside the tightening tool.



Core shell and capsule assembling Insert the wired **CORE SHELL** inside the **CAPSULE** which is still fitted on the tightening tool, making sure that the **ALIGNMENT MARKING** on the core shell is aligned with the red mark on the capsule.

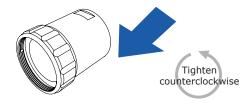
Capsule Core

2. Capsule



3. Ring

1. Tightening tool



7

8

Assemble

Best practice

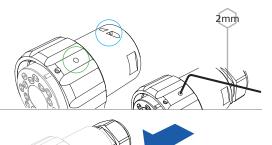
Assemble

6

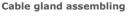
Anti-rotation grub screw tightening

Hold the backshell so that the **machined housing for the Dust cap lacing** is upwards. Spin the locking ring until the grub screw is visible and aligned below **the hole on the locking ring**. Use a **2mm** allen screw to tighten the grub screw.

Slide the **BACKSHELL** down the cable onto the capsule, then tighten the backshell screwing it counterclockwise.







Backshell tightening

Use a suitable wrench to tighten.

Slide the cable gland down the cable onto the backshell. Hold the backshell firmly and screw the cable gland clockwise on the backshell.

Tighten clockwise

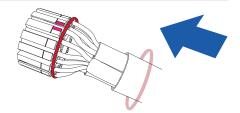
Panel version: final operation

SGH Female Power Insert

O-ring assembling



Slide the $\ensuremath{\textbf{O-RING}}$ down the cable onto the core shell and place it in its specific position.





Assemble

Waved washer and locking ring assembling Insert the wired CORE SHELL inside the CAPSULE which is still fitted on the tightening tool, making sure that the ALIGNMENT MARKING on the core shell is aligned with the red mark on the capsule.

Backshell tightening

Slide the **BACKSHELL** down the cable onto the flanged capsule. In so doing, the spacer will automatically be fitted inside the backshell. Then, tighten the backshell screwing it counterclockwise. Use a suitable wrench to tighten.

