

# **ASSEMBLY INSTRUCTION**

## etherCON | NE8MX6\* - CAT6A Cable Connector

Tools: • HX-CAT6A or pliers wrench

Wire cutter

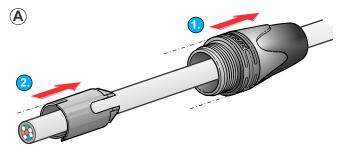
• Cable pulling lubricant

Insulation Diameter: > 1.10 - 1.60 mm

Wire Size: AWG 24/1 - AWG 22/1 (solid)
AWG 24/7 - AWG 22/7 (stranded)

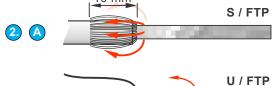
A Slide the boot (1.) and the chuck (2.) onto the cable.

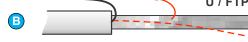
To ease the boot assembly apply some cable pulling lubricant to the cable ends.

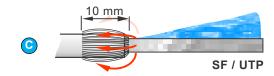


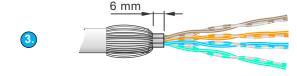


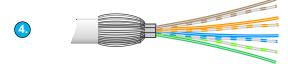
**B** 1. Prepare the cable as shown and strip the jacket at a length of 40 mm.











## 2. A. S/FTP

Cut off braided shield to approx 10 mm and fold the shield backwards.

## B. U/FTP

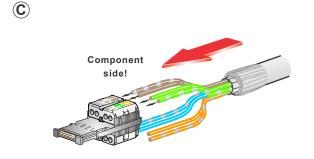
Remove the foil of the paired wires and bend back the drain wire for easier handling during assembly. Drain wire to be used for grounding.

## C. SF/UTP

Cut off braided shield to approx 10 mm and fold the shield backwards. Cut and remove the foil screen.

- 3. Remove the pair screening (if existing) to max. 6 mm.
- **4.** Presort, untwist and straighten the wires as shown. Unstraightened wires could potentially harm the IDC.

C Insert the wires into the designated position of the wire management as per below wiring scheme, either T568A or T568B

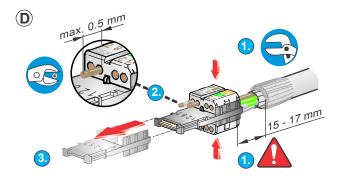


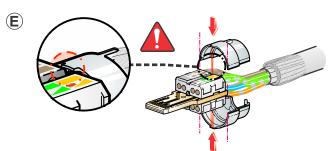
Component side!	Connection		
	Colo T568A	r code T568B	RJ 45 PIN No.
	W - G	W - O	1
1 2 8 7	W - G	W - 0	2
	W - O	W - G	3
	BL	BL	4
••••	W - BL	W - BL	5
	0	G	6
3 6 4 5	W - BR	W - BR	7
	BR	BR	8

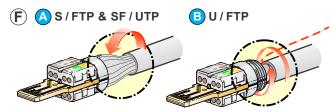
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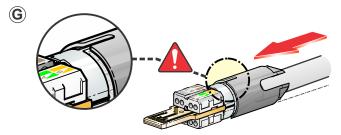


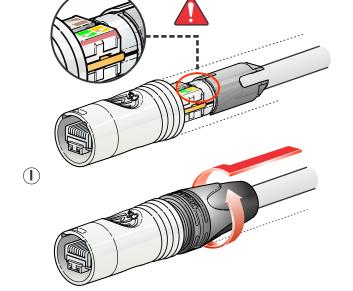
(H)











① 1. Use HX-CAT6A or pliers wrench to press the wire management together.

#### Attention:

Distance between the cable jacket and the wire management shall not exceed 15 - 17 mm.

- 2. Cut all wires with a wire cutter.
  Allow wires to protrude max. 0.5 mm.
- 3. Remove the assembly guidance.
- (E) Position the ground-shells over the wires as shown.

## Attention:

Align the coding nibs of the ground shells to the grooves in between the wire pairs in the wire management.

- (F) A. Put the cable-shield over the ground shell and distribute the shield wires circumferentially.
  - **B.** Put the drain wire over the ground shell and wrap the drain wire circumferentially.
- G Slide the chuck over the cable-shield / drain wire and the ground shell towards the end-position.

## Attention:

Align the slots of the chuck to the ribs of the ground shell.

(H) Slide the pre assembled cable (step G) into the housing.

## Attention:

Align the side of the wire management with wire numbers 1/2, 8/7 to the side of the housing that has the Neutrik logo and the slot.

(I) Finish the installation by turning the bushing onto the connector.

## Option:

Use the handtool HTXX-14 to tighten the bushing.

Find more details of etherCON on www.neutrik.com.

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