



## NE8MX6

etherCON CAT6<sub>A</sub> cable connector self-termination, for insulation diameter > 1.1 mm, nickel plating

The set NE8MX6 consists of a cable plug carrier offering a robust metal shell, proven Neutrik chuck-type strain relief and a CAT6<sub>A</sub> compliant RJ45 plug. The set is suitable for a cable diameter range of 7 mm to 9.5 mm and wire gauge of AWG24/1 - AWG22/1 (solid) or AWG24/7 - AWG22/7 (stranded).

Attention! Does not intermate with the CAT6 chassis connectors NE8FDY-C6 and NE8FDY-C6-B.

If the insulation diameter is  $\leq 1.1$  mm please refer to [NE8MX6-T](#).

## Features & Benefits

- Ruggedized connector with CAT6A component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- IP65 protected when mated with NE8FDX-P6-W or NE8FDX-Y6-W
- Intermateable with the existing etherCON CAT5 range
- PoE++ compliant according to 802.3bt Type4
- Rugged latch lock system million fold proven
- Unique Neutrik chuck-type strain relief

## Technical Information

Product	
<b>Title</b>	NE8MX6
<b>Gender</b>	male

Electrical	
<b>Dielectric strength</b>	1 kVdc
<b>Insulation resistance</b>	> 0.5 GΩ
<b>Rated current per contact</b>	1.5 A
<b>Transmission performance</b>	CAT6A, acc. TIA/EIA rating CAT6A, acc. IEC/ISO/EN rating
<b>Power over Ethernet</b>	PoE++ acc. IEEE 802.3bt

Mechanical	
<b>Cable O.D.</b>	7.0 - 9.5 mm
<b>Lifetime</b>	> 1000 mating cycles
<b>Wiresize</b>	AWG 24/1 - AWG 22/1 (solid) AWG 24/7 - AWG 22/7 (stranded)
<b>Locking device</b>	Latch lock
<b>Insulation diameter</b>	1.1 - 1.6 mm

Material	
<b>Bushing</b>	PA / PU
<b>Contact plating</b>	Au
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	POM

Environmental	
<b>Protection class</b>	IP 65 (in combination with NE8FDX-*6-W)
<b>Temperature range</b>	-40 °C to +70 °C