



## 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

- |                                                                                                                                                       |                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Ruggedized connector with CAT6A component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2</li></ul> | <ul style="list-style-type: none"><li>• PoE++ compliant according to 802.3bt Type4</li></ul>   |
| <ul style="list-style-type: none"><li>• IP65 protected when mated with NE8FDX-P6-W or NE8FDX-Y6-W</li></ul>                                           | <ul style="list-style-type: none"><li>• Rugged latch lock system million fold proven</li></ul> |
| <ul style="list-style-type: none"><li>• Intermateable with the existing etherCON CAT5 range</li></ul>                                                 | <ul style="list-style-type: none"><li>• Unique Neutrik chuck-type strain relief</li></ul>      |

Technical Information

Product	
Title	NE8MX6
Gender	male

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

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

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

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