



NE8MX6

etherCON CAT6_A 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_A 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 ≤ 1.1 mm please refer to [NE8MX6-T](#).

Features & Benefits

- ✓ Ruggedized connector with CAT6_A component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- ✓ PoE++ compliant according to 802.3bt Type4
- ✓ IP65 protected when mated with NE8FDX-P6-W or NE8FDX-Y6-W
- ✓ Rugged latch lock system million fold proven
- ✓ Intermateable with the existing etherCON CAT5 range
- ✓ Unique Neutrik chuck-type strain relief

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 |