



## NE8MC6-MO

The set NE8MC6-MO includes a cable plug carrier offering a robust metal shell with Push-Pull locking system, proven Neutrik chuck-type strain relief and a CAT6 RJ45 plug. The set can accommodate STP und UTP cables with O.D. of 5.5 to 6.5mm and gauge of AWG 22 to 28 solid or stranded wire. This self-termination version is water-protected according to IP65.

Attention! Intermates **ONLY** with NE8FDY-C6\* Cat 6 receptacles.

Not compatible with CAT5 and CAT6<sub>A</sub> chassis connectors.

### Features & Benefits

- Complies with CAT6 specifications according to TIA / EIA 568B, ISO / IEC 11801, EN 50173
- IP65 - Dust and waterproof in mated condition
- Push Pull mating - secure and proven locking system
- Color coding with accessory BXX-\* - to guarantee IP65 protection, boot has to be mounted with metal ring of NE8MC6-MO
- CAT6 compliant - data rate up to 10 GBit/s
- Shielded system - high noise immunity and EMI protection
- Unique Neutrik chuck-type strain relief

Technical Information

| Product         |           |
|-----------------|-----------|
| Title           | NE8MC6-MO |
| Connection Type | etherCON  |
| Gender          | male      |

| Mechanical       |                      |
|------------------|----------------------|
| Cable O.D.       | 5.5 - 6.5 mm         |
| Insertion force  | ≤ 40 N               |
| Withdrawal force | ≤ 20 N               |
| Lifetime         | > 1000 mating cycles |
| Wiresize         |                      |
| Wiresize         | 28 - 22 AWG          |
| Locking device   | Push-Pull            |

| Material        |                                  |
|-----------------|----------------------------------|
| Boot            | Polyurethan                      |
| Bushing         | Polyamide (PA 6 15 % GR)         |
| Contact plating | 0.7 µm Au over 1.2 µm Ni plating |
| Contacts        | Bronze (CuSn8)                   |
| Insert          | Polyamide (PA 6.6 30 % GR)       |
| Shell           | Zinc diecast (ZnAl4Cu1)          |
| Shell plating   | Nickel                           |
| Strain relief   | Polyacetal (POM)                 |
| CAT6 Plug       | Molex Part Nr. 44915-0021        |

| Environmental       |   |
|---------------------|---|
| Flammability        | UL 94 HB  |
| Standard compliance | CAT6, Class E acc. TIA/EIA 586B, IEC11801, EN 50173 |
| Protection class    | IP 65   |
| Temperature range   | -10 °C bis +60 °C                                   |