



## NKE6S-\*

The preassembled etherCON CAT6 patch cables use a shielded S/FTP cable with cable plug carrier offering a robust metal shell and Push-Pull locking system.

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

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

## Features & Benefits

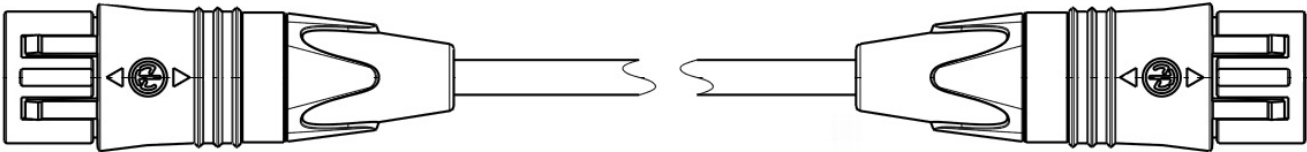
- CAT6 compliant - data rate up to 10 GBit/s
- CAT6 performance - fast data transmission and high bandwidth applications
- CAT6 specifications according TIA / EIA 568B, ISO / IEC 11801, EN 50173
- IP65 - Dust and waterproof in mated condition
- Shielded system - high noise immunity and EMI protection
- Push Pull mating - secure and proven locking system
- Ready made patch cables with rugged cable carrier and unique chuck-type strain relief

## Ordering Information

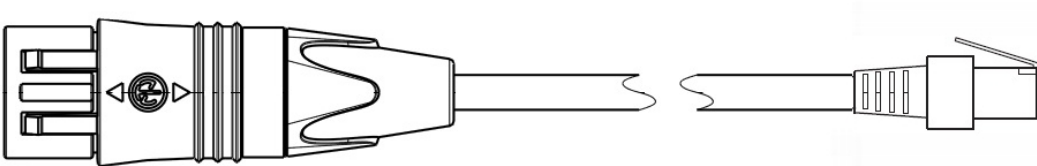
|             |  |
|-------------|--|
| NKE6S-*     | Both cable ends with cable plug carrier, e.g. NKE6S-3        |
| NKE6S-*-WOC | Only one cable end with cable plug carrier, e.g. NKE6S-3-WOC |

\* available lengths: 1 m, 2 m, 3 m, 5 m, 10 m, 30 m

**NKE6S-\***



**NKE6S-\*-WOC**



## Technical Information

| Product |         |
|---------|---------|
| Title   | NKE6S-* |
| Gender  | male    |

| Electrical                |             |
|---------------------------|-------------|
| Contact resistance        | < 10 mΩ     |
| Dielectric strength       | 1 kVdc      |
| Frequencyrange            | 1 - 250 MHz |
| Insulation resistance     | ≥ 0.5 GΩ    |
| Rated current per contact | 1,5 A       |
| Rated voltage             | < 50 V      |

| Mechanical       |                              |
|------------------|------------------------------|
| Insertion force  | ≤ 40 N                       |
| Withdrawal force | ≤ 20 N                       |
| Lifetime         | > 1000 mating cycles         |
| Wiresize         | 8 x AWG 27/7 mm <sup>2</sup> |
| Locking device   | Push-Pull                    |

| Material        |                                  |
|-----------------|----------------------------------|
| Boot            | Polyurethan                      |
| 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)                 |

| 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 to +60 °C                                    |