



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_A chassis connectors.

Features & Benefits

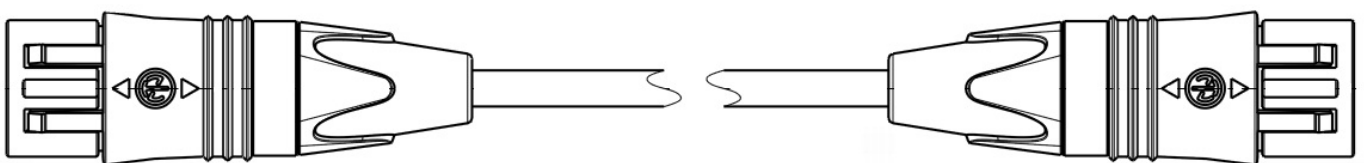
- CAT6 compliant - data rate up to 10 GBit/s
- CAT6 performance - fast data transmission and high bandwidth applications
- CAT6 specifications according TIA / EIA 568B, ISO / IEC 11801, EN 50173
- IP65 - Dust and waterproof in mated condition
- Shielded system - high noise immunity and EMI protection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

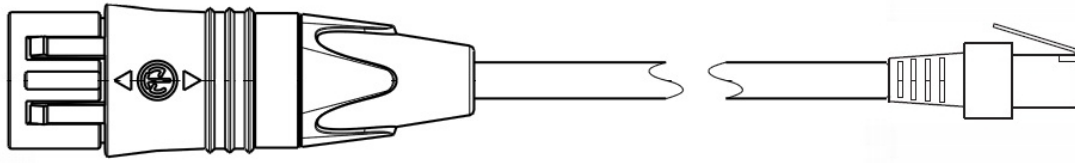
Ordering Information

| | |
|-------------|--|
| 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-*





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 ² |
| 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 |

Mouser Electronics

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[NKE6S-2](#) [NKE6S-2-WOC](#)