NEUTRIK

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

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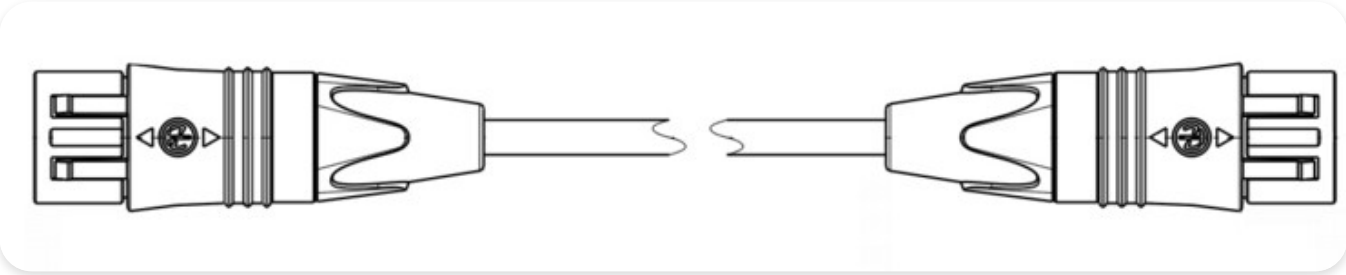
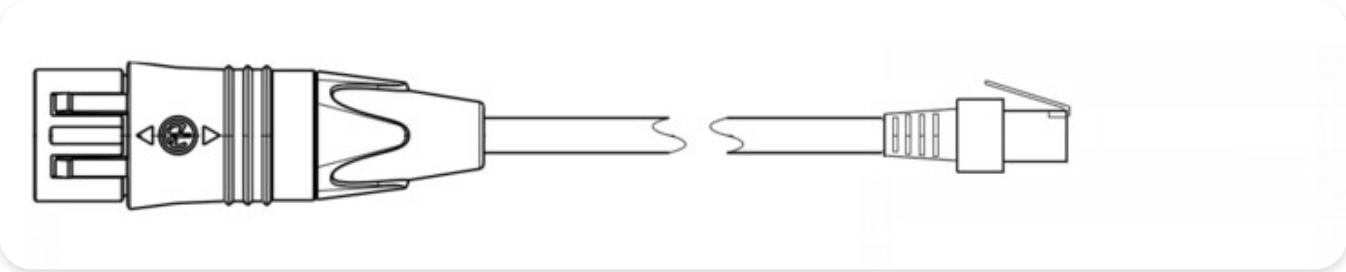


NKE6S-*-WOC



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

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Mechanical	
Insertion force	≤ 40 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	8 x AWG 27/7 mm²
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

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