



Product Data Sheet

Neutrik NE8FDY-C6

Description



The Neutrik NE8FDY-C6 are etherCON CAT6 D-shape panel connectors with metal housing and secure latching system offer a tool-free and gas-tight IDC termination, which makes cable assembly easy and fast.

Attention! Intermates ONLY with NE8MC6-MO, NKE6S-* and generic RJ45 connectors.

Not compatible with the etherCON cable connector carriers NE8MC*, NE8MX* and the CAT6A cable connectors NE8MX6*.

Product	SKU
NEUTRIK NE8FDY-C6	FA-65-1600

Key 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 50173IP65 - Dust and waterproof in mated condition
- Shielded system - high noise immunity and EMI protection
- Push Pull mating - secure and proven locking system
- Ground lead jumper on panel connector with selectable grounding option Gas-tight IDC termination without tool



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Technical Specification

Neutrik NE8FDY-C6 Specification

Gender: female	Shell plating: Nickel
Electrical	Strain relief: Stainless steel
Contact resistance: < 10 mΩ	Mechanical
Dielectric strength: 1 kVdc	Insertion force: ≤ 40 N
Frequency range: 1 - 250 MHz	Withdrawal force: ≤ 20 N
Insulation resistance: > 0.5 GΩ	Lifetime: > 1000 mating cycles
Rated current per contact: 1,5 A	Panel thickness: max. 3 mm 0.12"
Rated voltage: < 50 V	Wiresize: solid: 0.205 - 0.324 mm ² (AWG 24 – AWG 22)
Transmission performance: CAT 6	Wiresize: stranded: 0.141 – 0.355 mm ² (AWG 26/7 – AWG 22/7)
Standard compliance: TIA/EIA 586B, IEC11801	Locking device: Push-Pull
Material	Chassis shape: D
Contact plating: 0.7 μm Au over 1.2 μm Ni plating	Environmental
Contacts: Bronze (CuSn8)	Flammability: UL 94 HB
Insert: Polycarbonate	Protection class: IP 65
Shell: Zinc diecast (ZnAl4Cu1)	Temperature range: -10 °C to +60 °C