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NE8FDY-C6

The 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* and the CAT6$_A$ cable connectors NE8MX6*.

Features & Benefits

- CAT6 compliant - data rate up to 10 GBit/s

- CAT6 specifications according TIA / EIA 568B, ISO / IEC 11801, EN 50173

- Shielded system - high noise immunity and EMI protection

- Ground lead jumper on panel connector with selectable grounding option

- CAT6 performance - fast data transmission and high bandwidth applications

- IP65 - Dust and waterproof in mated condition

- Push Pull mating - secure and proven locking system

- Gas-tight IDC termination without tool

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Technical Information

Product	
Title	NE8FDY-C6
Gender	female

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
Transmission performance	CAT 6
Standard compliance	TIA/EIA 586B, IEC11801

Mechanical	
Insertion force	≤ 40 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Panel thickness	max. 3 mm , 0.12''
Wiresize	solid: 0.205 - 0.324 mm² (AWG 24 – AWG 22)
Wiresize	stranded: 0.141 – 0.355 mm² (AWG 26/7 – AWG 22/7)
Locking device	Push-Pull
Chassis shape	D

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Material	
Contact plating	0.7 µm Au over 1.2 µm Ni plating
Contacts	Bronze (CuSn8)
Insert	Polycarbonate
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Stainless steel

Environmental	
Flammability	UL 94 HB
Protection class	IP 65
Temperature range	-10 °C to +60 °C

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