



## 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<sub>A</sub> 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

## 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 mm <sup>2</sup> (AWG 24 – AWG 22)
Wiresize	stranded: 0.141 – 0.355 mm <sup>2</sup> (AWG 26/7 – AWG 22/7)
Locking device	Push-Pull
Chassis shape	D

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

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