



## NE8FDX-Y6-B

D-shape CAT6<sub>A</sub> panel connector, shielded, IDC termination, black housing

Attention! Does not intermate with CAT6 cable connector NE8MC6-MO and NKE6S\* cables.

## Features & Benefits

- ✓ Ruggedized connector with CAT6<sub>A</sub> component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- ✓ PoE type 3 class 6 (60W) acc. IEEE 802.3bt
- ✓ Rugged latch lock system million fold proven
- ✓ Intermateable with the existing etherCON CAT5 range
- ✓ Shielded system - high noise immunity and EMI protection
- ✓ CAT6A / Class EA according to TIA/EIA 568C and ISO/IEC 11801

## Technical Information

Product	
Title	NE8FDX-Y6-B
Gender	female

<b>Electrical</b>	
Dielectric strength	1 kVdc
Insulation resistance	> 0.5 GΩ
Rated current per contact	1.5 A
Rated voltage	≤ 57 V
Transmission performance	CAT6A acc. to TIA/EIA 568C channel specifications CLASS EA acc. to ISO/IEC 11801 channel specifications
Power over Ethernet	PoE type 3 class 6 (60W) acc. IEEE 802.3bt

<b>Mechanical</b>	
Lifetime	> 1000 mating cycles
Wiresize	
Wiresize	solid: AWG 26/1 - AWG 22/1 stranded: AWG 26/7 - AWG 22/7
Locking device	Latch lock
Mounting direction	Front mounting
Insulation diameter	0.85 - 1.6 mm

<b>Material</b>	
Contact plating	Au
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black KTL
Locking element plating	Nickel

Environmental	
Flammability	UL 94 V-0 EN 45545 R26
Temperature range	-40 °C to + 70 °C
Standard compliance	ISO/IEC 11801-1 Ed. 1.0 (2017-11) IEC 60603-7-3 Ed.2.0 (2010-04) IEC 60512-99-002 Ed.2.0 (2022-01) IEC 60512-9-3 (2011-06) EN 45545-2:2020+A1:2023 (R26, clause 4.2, clause 4.3.2)