



## NE8FDX-Y6-W

D-shape CAT6<sub>A</sub> panel connector, shielded, IDC termination with rubber sealing, IP65 when mated, black housing

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

### Features & Benefits

- Ruggedized connector with CAT6A component compliance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- Rugged latch lock system million fold proven
- Intermateable with the existing etherCON CAT5 range
- CAT6e / Class EA according to TIA/EIA 568C and ISO/IEC 11801
- PoE type 3 class 6 (60W) acc. IEEE 802.3bt
- IP65 ingress protection in mated condition and unmated when sealing cap is closed
- Shielded system - high noise immunity and EMI protection

## Technical Information

Product	
Title	NE8FDX-Y6-W
Gender	female

Electrical	
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

Mechanical	
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

Material	
Contact plating	Au
Gasket	Rubber (EPDM)
Shell	Zinc diecast (ZnAl4Cu1)

Environmental	
Flammability	UL 94 V-0 EN 45545 R26
Protection class	IP 65
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)