



## NE8FDP-TOP

RJ45 feedthrough receptacle, combined with sealing kit SE8FD-TOP, D-shape metal flange with the latch lock, mounting screws included.

The etherCON series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lighting network applications. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry. The D-series offers the most rugged design of the etherCON series and is perfectly suitable for panel mount and the installer market.

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

### Features and Benefits

- TRUE OUTDOOR PROTECTION according to IP65 & UL50E
- Outdoor protection when mated with NE8MX-TOP or sealing cap closed
- Class D or CAT5e according to ISO/IEC 11801 and TIA/EIA
- Mountable from the front of the panel
- Uses high impact UV-resistant and gasket materials
- Accommodates NE8MCX\* or any standard RJ45 plug
- Approved latch lock system
- Ground panel connection

**Technical Information**

Product	
<b>Title</b>	NE8FDP-TOP
<b>Type</b>	Chassis
<b>Connection Type</b>	etherCON
<b>Gender</b>	female

Electrical	
<b>Contact resistance</b>	< 10 mΩ
<b>Dielectric strength</b>	1 kVdc
<b>Frequency range</b>	1 - 100 MHz
<b>Insulation resistance</b>	> 0.5 GΩ
<b>Rated current per contact</b>	1.5 A
<b>Rated voltage</b>	< 50 V
<b>Transmission performance</b>	CAT 5e

Mechanical	
<b>Insertion force</b>	≤ 20 N
<b>Withdrawal force</b>	≤ 20 N
<b>Lifetime</b>	1000 mating cycles
<b>Panel thickness</b>	2 mm - 4 mm , 0.08" - 0.16"
<b>Wiring</b>	Feedthrough
<b>Locking device</b>	Latch lock
<b>Chassis shape</b>	D

Material	
<b>Contact plating</b>	0.2 μm Au over Ni plating
<b>Contacts</b>	Bronze (CuSn8)
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Chromium

**Environmental**

<b>Flammability</b>	UL 94 V-0
<b>Standard compliance</b>	TIA/EIA 586B, IEC11801
<b>Temperature range</b>	-30 °C to +80 °C
<b>Protection class</b>	IP65, UL50E (mated or sealing cap closed)