

NE8FDY-C6-B

The etherCON CAT6 D-shape panel connectors with black 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 CAT6A cable connectors NE8MX6*.

Features & Benefits

- CAT6 compliant - data rate up to 10 GBit/s
- CAT6 performance - fast data transmission and high bandwidth applications
- CAT6 specifications according TIA / EIA 568B, ISO / IEC 11801, EN 50173
- IP65 - Dust and waterproof in mated condition
- Shielded system - high noise immunity and EMI protection
- Push Pull mating - secure and proven locking system
- Ground lead jumper on panel connector with selectable grounding option
- Gas-tight IDC termination without tool

Technical Information hide

| Product | |
|---------------------------|------------------------|
| Title | NE8FDY-C6-B |
| 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 568B, IEC11801 |
| Mechanical | |
| Insertion force | ≤ 40 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | > 1000 mating cycles |
| Panel thickness | max. 3 mm , 0.12" |

| | |
|----------------------|---|
| Wiresize | stranded: 0.141 – 0.355 mm ² (AWG 26/7 – AWG 22/7) |
| Locking device | Push-Pull |
| Chassis shape | D |
| Material | |
| Contact plating | 0.7 µm Au over 1.2 µm Ni plating |
| Contacts | Bronze (CuSn8) |
| Insert | Polycarbonate |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Black chromium |
| Strain relief | Stainless steel |
| Environmental | |
| Flammability | UL 94 HB |
| Protection class | IP 65 |
| Temperature range | -10 °C to +60 °C |

Accessories

DSS-*



MFD



SCDP-*



SCDX



SCCD-W

SCD-W