



NE8FDX-Y6-W

D-shape CAT6_A 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

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|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Ruggedized connector with CAT6e / Class EA according to TIA/EIA 568C and ISO/IEC 11801 | <ul style="list-style-type: none">• PoE type 3 class 6 (60W) acc. IEEE 802.3bt |
| <ul style="list-style-type: none">• Rugged latch lock system million fold proven | <ul style="list-style-type: none">• IP65 ingress protection in mated condition and unmated when sealing cap is closed |
| <ul style="list-style-type: none">• Intermateable with the existing etherCON CAT5 range | <ul style="list-style-type: none">• 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) |