

## QSFP28 to QSFP28 100GbE Passive DAC Copper InfiniBand Cable (M/M), 0.5 m (20 in.)

MODEL NUMBER: **N282-20N-28-BK**



### Description

The N282-20N-28-BK QSFP28 to QSFP28 100GbE Passive DAC Copper InfiniBand Cable provides next-generation performance by combining four 28 Gbps SFP channels into one high-density cable. It's ideal for connecting active network equipment in data centers, high-end servers and enterprise wiring closets.

This half-meter copper cable integrates a 100G Ethernet-optimized (100 GbE) 38-position "board-as-connector" design with zinc die-cast male QSFP+ connectors for superior EMI resistance, minimal insertion loss and low crosstalk for better performance. Ergonomic pull-tab ejectors make connecting to equipment a quick, easy task. Eight-pair wire technology is optimized for bandwidth-intense applications, including 100-Gigabit Ethernet (100GBASE-CR4), 128G Fibre Channel and EDR 4x InfiniBand.

Flexible 26 AWG conductors maintain a smooth high-frequency response. The N282-20N-28-BK undergoes a rigorous assembly and testing procedure aimed at eliminating unnecessary signal loss. It's fully compliant with the MSA (Multi-Source Agreement) SFF-8665 architecture for guaranteed compatibility with all QSFP and QSFP+ ports, as well as RoHS and IEEE 802.3bj.

### Features

#### Connect Network Equipment at Speeds Up to 100 Gbps

- Combines four 28 Gbps SFP channels into single high-density cable
- Ideal for data centers, high-end servers and enterprise wiring closets
- Multi-platform support for 128G Fibre Channel and EDR InfiniBand
- Lower port cost and power budget when compared to fiber optics

#### Top-of-the-Line Construction

- 100 GbE 38-position "board-as-connector" design
- Zinc die-cast male QSFP+ connectors for superior EMI resistance
- Ergonomic pull-tab ejectors for quick, easy connections
- 8-pair wire technology optimized for bandwidth-intense applications

### Highlights

- Supports serial data rates up to 100 Gbps
- Complies with MSA SFF-8665 specifications
- Meets or exceeds 100GBASE-CR4 standards
- Multi-platform support for 128G Fibre Channel and EDR InfiniBand
- Pull-tab ejectors for quick, easy connections

### System Requirements

- Networking switch or other hardware with open QSFP+ ports

### Package Includes

- N282-20N-28-BK QSFP28 to QSFP28 100GbE Passive DAC Copper InfiniBand Cable (M/M), 0.5 m (20 in.)



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- Flexible 26 AWG conductors maintain smooth high-frequency response

#### Fully Compliant and Compatible

- Meets or exceeds strict 100-Gigabit Ethernet (100GBASE-CR4) standards
- Complies with IEEE 802.3bj and RoHS
- Complies with latest QSFP28 MSA (Multi-Source Agreement) SFF-8665 architecture
- Compatible with all QSFP and QSRP+ ports

## Specifications

| INPUT                               |   |
|-------------------------------------|---|
| Cable Length (ft.)                  | 1.67                                    |
| Cable Length (m)                    | 0.5                                     |
| Cable Length (in.)                  | 20                                      |
| PHYSICAL                            |   |
| Color                               | Black                                   |
| CONNECTIONS                         |   |
| Side A - Connector 1                | QSFP+ (MALE)                            |
| Side B - Connector 1                | QSFP+ (MALE)                            |
| CERTIFICATIONS                      |   |
| Certifications                      | MSA SFF-8665, IEEE 802.3bj, RoHS, REACH |
| WARRANTY                            |   |
| Product Warranty Period (Worldwide) | Lifetime limited warranty               |

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