

## QSFP+ to QSFP+ 40Gb Passive DAC Copper Infiniband Cable, 0.5M (20-in.)

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



### Description

Tripp Lite's 0.5M (20-in.) QSFP+ 40GBASE-CR4 / 802.3ba qualified passive copper cable provides next generation performance by combining four 10 Gb/s SFP+ channels into one affordable high-density package. Our QSFP+ cables integrate a new 40G Ethernet-optimized (40GbE) 38-position "board-as-connector" design, with zinc die-cast backshells for superior EMI resistance, minimal insertion loss, and improved cross-talk performance. Cable features 8-pair wire technology optimized for bandwidth-intense applications including 40-Gigabit Ethernet (40GBASE-CR4), 6G SAS, Fibre Channel and SONET. Flexible 30 AWG conductors maintain a smooth, high-frequency response (20 GHz). Each 1m (3.3-ft) length QSFP+ cable goes through a rigorous assembly and test procedure aimed at eliminating unnecessary signal loss. Our cables are fully compliant to the QSFP+ MSA and SFF-8436 architecture for guaranteed compatibility with all QSFP and QSFP+ ports.

### Features

- 0.5M (20-in.) QSFP+ to QSFP+ 40Gb Passive DAC Copper Infiniband cable
- Meets or Exceeds strict 40-Gigabit Ethernet 40GBase-CR4 standards
- SDR, DDR, and QDR Compatible
- QSFP+ to QSFP+ 30AWG SFF-8436 compliant cable and connector
- Up to 10.3125 Gbps transfer rate per channel ( 40Gb aggregate )
- Multi-platform support for 40Gb, SAS, Fibre Channel, and SONET
- Zinc die-cast QSFP+ connectors with "Pull-to-Release" latching
- Fully compliant to latest QSFP+ MSA ( Multi Source Agreement )
- Lower port cost and reduced power budget vs Fiber Optics
- RoHS, SFF-8436, and IEEE 802.3ba Compliant
- BER better than  $10^{12}$

## Specifications

### Highlights

- 40Gbps QSFP+ to QSFP+ 0.5M (20-in.) patch cable
- Meets or Exceeds 40-Gigabit Ethernet 40GBASE-CR4 standards
- Fully compliant to the latest QSFP+ MSA ( Multi Source Agreement )
- SDR, DDR, and QDR Compatible

### Applications

- Storage Area Networks ( SAN )
- Data Center Cabling Infrastructure
- High Density Connections
- Switched fabric I/O ( Ultra High Bandwidth Switches & Routers )

### System Requirements

- Networking Switch or other hardware with open QSFP+ Port(s)

### Package Includes

- 0.5M (20-in.) QSFP+ to QSFP+ High Speed Passive Copper 40GB Cable



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| OVERVIEW                            |                                 |
|-------------------------------------|---------------------------------|
| Cable Type                          | 10G/40G/100G; SFP+/QSFP+        |
| INPUT                               |                                 |
| Cable Length (ft.)                  | 1.67                            |
| Cable Length (m)                    | 0.5                             |
| Cable Length (in.)                  | 20                              |
| PHYSICAL                            |                                 |
| Color                               | Black                           |
| CONNECTIONS                         |                                 |
| Connector A                         | QSFP+ (MALE)                    |
| Connector B                         | QSFP+ (MALE)                    |
| CERTIFICATIONS                      |                                 |
| Certifications                      | MSA SFF-8436 and RoHS compliant |
| WARRANTY                            |                                 |
| Product Warranty Period (Worldwide) | Lifetime limited warranty       |

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