



### **DAC-QSFP-40G-1M-OPC**

Dell® DAC-QSFP-40G-1M Compatible TAA Compliant 40GBase-CU QSFP+ Direct Attach Cable (Passive Twinax, 1m)

#### **Features**

- Full duplex 4 channel parallel passive optical cable
- Transmission data rate up to 10.3Gbps per channel
- SFF-8436 QSFP+ compliant
- Hot pluggable electrical interface
- Low power consumption
- Housing isolated from connector ground
- Operating Temperature: 0 to 70 Celsius
- 3.3V power supply voltage
- RoHS Compliant and Lead-Free



#### **Applications:**

- Serial Data Transmission

#### **Product Description**

This is a Dell® DAC-QSFP-40G-1M compatible 40GBase-CU QSFP+ to QSFP+ direct attach cable that operates over passive copper with a maximum reach of 1.0m (3.3ft). It has been programmed, uniquely serialized, and data-traffic and application tested to ensure it is 100% compliant and functional. This direct attach cable is TAA (Trade Agreements Act) compliant, and is built to comply with MSA (Multi-Source Agreement) standards. We stand behind the quality of our products and proudly offer a limited lifetime warranty.

OptioConnect's transceivers are RoHS compliant and lead-free.

## Specifications

| Parameter                                              | Specifications                 | Unit   |
|--------------------------------------------------------|--------------------------------|--------|
| Minimum Dielectric Withstand Voltage                   | 300                            | VDC    |
| Insulation Resistance                                  | 1000                           | MΩ     |
| Current Rating                                         | 0.5 Amp Minimum/Signal Contact |        |
| Operating Temperature                                  | 0 to 70                        | °C     |
| Flammability Rating (Plastics)                         | UL 94                          |        |
| Shield                                                 | Braid/Foil                     |        |
| Connector                                              |                                |        |
| Back Shell Material                                    | Nickel-Plated Zinc Diecast     |        |
| Contact Material                                       | PCB with Gold-Plated Pads      |        |
| Maximum Insertion Force                                | 40                             | N      |
| Maximum Withdrawal Force                               | 30                             | N      |
| Durability                                             | 250                            | Cycles |
| Tightest Recommended Vertical Spacing (Belly-to-Belly) | 11.80                          | mm     |
| Tightest Recommended Vertical Spacing (Stacked)        | 17.50                          | mm     |
| Cable                                                  |                                |        |
| Conductor                                              | Solid                          |        |
| Wire Gauge                                             | 28                             | AWG    |
| Impedance                                              | 100±5                          | Ω      |
| Construction                                           | Twinaxial                      |        |
| Jacket Type                                            | PVC                            |        |

Mechanical Specifications



## **OptioConnect**

### **Innovation for the Future of High-Speed Networking**

#### **Who We Are**

OptioConnect is reshaping the landscape of communication and high-speed networking through intelligent technology. With a core focus on cutting edge technology, we deliver smarter fiber optic solutions for enterprise networks, data centers, and next-gen telecom infrastructures.

#### **What We Do**

At OptioConnect, we fuse advanced engineering with intelligent automation to drive the future of networking. Our AI-integrated solutions are designed to optimize performance and streamline operations with:

- Superior Performance
- Network and traffic optimization
- Intelligent energy management
- Seamless OEM compatibility
- Scalable cost-efficiency

#### **Smarter Networks by Design**

Innovation isn't just a goal—it's our process. We embed AI and machine learning across our R&D and product lines, enabling adaptive performance, automated tuning, and faster deployment cycles. The result? Networks that don't just work—they learn, evolve, and outperform.

#### **Our Team**

Our engineers, data scientists, and network architects bring decades of experience and a future-focused mindset. We provide hands-on support with intelligent insights that turn complex challenges into simple solutions.

#### **Our Mission**

To deliver AI-enhanced connectivity that reduces cost, increases speed, and maximizes efficiency—empowering our partners to operate at the forefront of a rapidly evolving digital world.

#### **Let's Connect**

Discover how OptioConnect's intelligent infrastructure solutions can power your network's next leap forward.

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