



## AT-QSFP1CU-SKY

Allied Telesis® AT-QSFP1CU Compatible 40GBase-CU QSFP+ to QSFP+ Direct Attach Cable (Passive Twinax, 1m)

### Product Description

This is an Allied Telesis® AT-QSFP1CU compatible 40GBase-CU QSFP+ to QSFP+ direct attach cable that operates over passive copper with a maximum reach of 1m (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 built to comply with MSA (Multi-Source Agreement) standards. We stand behind the quality of our products and proudly offer a limited lifetime warranty.

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

### Features:

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



### Applications:

- Serial Data Transmission

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*For your product safety, please read the following information carefully before any manipulation of the transceiver:*



#### **ESD**

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 / JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



#### **LASER SAFETY**

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

*The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.*

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## 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



# About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

