

## QSFP+ to SFP+ Breakout Cables

The Solarflare® SOLR-QSFP2SFP QSFP+ to SFP+ copper breakout direct-attach cables (DAC) are compatible with the Solarflare Flareon™ Ultra SFN7142Q server adapter. The passive copper cables allow customers to use the SFN7142Q dual-port QSFP+ 40GbE server adapter as a quad-port SFP+ 10GbE server adapter.

SOLR-QSFP2SFP QSFP+ to SFP+ copper breakout direct-attach cables (DAC) are high-performance direct-attach assemblies that allows users to connect Solarflare SFN7142Q QSFP+ 40GbE ports configured to work as dual SFP+ ports to 10GbE devices. They are compliant to the QSFP+ MSA SFF-8436 and IBTA Volume 2 Revision 1.3, and SFP+ MSA SFF-8431, SFF-8432, and SFF-8472 specifications.

The breakout cables offer a cost-effective option to support flexibility in high-speed data center applications. They are available in lengths of 1 meter and 3 meters.

### Compatibility and Performance

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M breakout cables use high-density QSFP+ and SFF-8431 compliant SFP+ connectors, with ultra low crosstalk connectors for enhanced performance and compatibility. For superior handling and performance, the cable assemblies use a positive retention pull-release latch system.

### Superior Customer Experience

For added convenience, Solarflare's QSFP+ to SFP+ breakout cables can now be purchased together with the SFN7142Q server adapter for simultaneous delivery. These passive copper DAC cables also facilitate those who are ordering a complete server adapter solution in a single transaction.

### A Complete Solution

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M QSFP+ to SFP+ breakout cables enhance Solarflare's SFN7142Q server adapter by ensuring delivery of a complete, well-tested and highly-scalable 40GbE and 10GbE performance solution. Combined with the SOLR-QSFP2SFP breakout cables, the Solarflare SFN7142Q server adapters offer exceptional value for data centers, enterprise networks, high-performance computing (HPC), cloud, big data, grid, and virtualization applications.

### Regulatory Compliance

The SOLR-QSFP2SFP-1M and SOLR-QSFP2SFP-3M breakout cables are designed for China E, RoHS, and lead-free green features and compliance.



SolarflareBreakoutCables

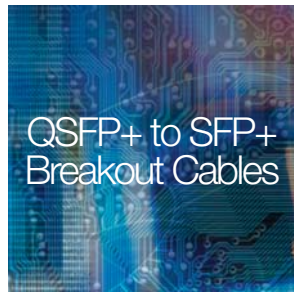
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# Solarflare Breakout Cables



## Specifications

### Product Numbers

SOLR-QSFP2SFP-1M, -3M

### Compatible Products

SFN7142Q

### Standards & Compliance

QSFP+ MSA SFF-8436  
IBTA Volume 2 Revision 1.3 specifications  
SFP+ MSA SFF-8431  
SFP+ MSA SFF-8432  
SFP+ MSA SFF-8472  
China E (RoHS) Compliant

### Flammability Rating (Plastics)

UL 94

### Operating Range

0° to 70° C

### Insertion Force

QSFP+: 40N Max.  
SFP+: 30N Max.

### Withdrawal Force

QSFP+: 30N Max.  
SFP+: 20N Max.

### Retention Force

90N Min.

### Order Information

SOLR-QSFP2SFP-1M  
(1 meter)  
SOLR-QSFP2SFP-3M  
(3 meters)

## Advanced Features

### Product

QSFP+ to SFP+ Copper Breakout DAC Cables

### Application/Usage

Data Networking

### Plug

### Latch

Positive Latching w/Pull Tab

### Cable

### Impedance

100 ohms (typical)

### Construction

Twinaxial

### Jacket Type

PVC