

# NoviConnect™ 517 10G SFP+ Copper Cable

**NoviConnect 517 10G SFP + Copper Cable (3 meter).** This Industry Standard 10Gbase-CU SFP+ Direct Attach Copper Cable operates from 1 to 10.5Gb/s, supports 10G Ethernet and 10G fiber channel, is certified for optimal performance with NoviFlow switching products, and is fully compliant with MSA (Multi-Source Agreement) standards. All NoviConnect products from NoviFlow are 100% functionally tested to ensure trouble-free installation and operation when used with NoviFlow's NoviSwitch network products.



NoviConnect Transceivers are factory programmed with specific configuration data required for seamless networking compliance and for optimal network performance when used with NoviFlow switching products. These transceivers can be mixed and connected to devices with MSA industry standard compliant transceivers, for outstanding network performance.

**NoviFlow Inc.™** aims to change the traditional approach to networking by making switching smarter. The company was founded to deliver upon the promise of SDN. Our SDN data plane products combine the benefits of virtualization and programmability with network processors that can handle complex flows, making it possible for data center and network operators to keep up with today's exponentially growing networking demand. In order to ensure the highest levels of network performance, seamless compatibility and trouble-free upgrades with our NoviSwitch products, NoviFlow offers a complete line of high-performance and cost-effective SFP transceiver modules.

## PRODUCT DESCRIPTION

The **NoviConnect 517 SFP+** passive cable assembly is a high performance, cost effective I/O solution for 10G Ethernet and 10G Fiber Channel applications. The high-speed cable Assemblies meet and exceed Gigabit Ethernet and Fiber channel industry standard requirements for performance and reliability.

### RECOMMENDED OPERATING CONDITIONS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
Power Supply Voltage	Vcc	3.13	3.30	3.47	V
Power Supply Current	Icc			30	mA
Case Operating Temperature	Tc	-5		+70	°C
Data Rate, each Lane				10.5	Gbps
Bit Error Rate	BER			10 <sup>-12</sup>	

### CABLE SPECIFICATIONS

PARAMETER	SYMBOL	MIN	TYP.	MAX.	UNIT
Cable Diameter (24AWG)	DIA		6		mm
Cable Diameter (28AWG)	DIA		4.7		mm
Cable Diameter(30AWG)	DIA		4.5		mm
Time Delay Skew (Within Pair)	Tds			10	ps/m
Cable Time Delay	Td		4.3		ns/m
Cable Impedance	Z	90	100	110	Ω

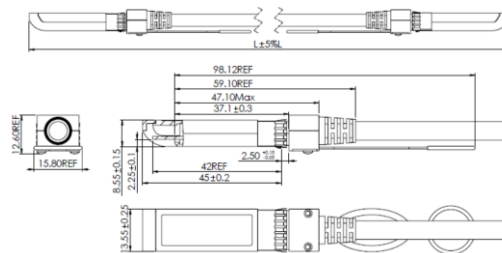
### Key Features:

- True broadband – operates from 1 to 10.5Gb/s
- Support hot-pluggable
- 360-degree cable braid crimp and enhanced EMI skirt
- Low insertion loss and low crosstalk
- Single 3.3V power supply
- RoHS Compliant and Lead-Free
- Compliant with SFF-8472 Rev11.1
- Compliant with SFP+ MSA: SFF-8431 Rev4.1
- Wire/Cable Type Twinax

### ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
Cable Diameter (24AWG)	DIA		6		mm
Cable Diameter (28AWG)	DIA		4.7		mm
Cable Diameter(30AWG)	DIA		4.5		mm
Time Delay Skew (Within Pa	Tds			10	ps/m
Cable Time Delay	Td		4.3		ns/m
Cable Impedance	Z	90	100	110	Ω

### MECHANICAL SPECIFICATIONS



## ORDERING INFORMATION

MODEL NUMBER 400000517

### FOR MORE INFORMATION



[www.noviflow.com](http://www.noviflow.com)



[contact@noviflow.com](mailto:contact@noviflow.com)