

Next Step™ Patch Module

Wirewerks™ Next Step™ solutions are high-density optical cabling solutions offering industry leading connector density, state of the art cable management and the flexibility of handling all installation methods.

Description

The Next Step™ patch module is the interconnect that brings fiber optic assemblies and active equipment together. It can accommodate for standard LC and SC connectors and has a fiber capacity of 12 fiber interconnections per module.

Each module exhibits port numbering on the top side along with fully integrated self-contained fiber management – facilitating MACs and reducing install time.

Made of durable, high-impact ABS plastic, the Wirewerks™ Next Step™ Patch Modules snap easily into position with a fluid and robust sliding mechanism and are compatible with all Wirewerks Next Step™ housings.

Features and Benefits

Cable management & splicing integrated into patch module

Allows for pre-terminated cabling, fusion splicing or field-terminable connectors

Wirewerks Next Step™ proprietary footprint with sliding mechanism requires no tools and allows for quick and easy installation

Provides flexible and scalable solution for high-density applications

Fiber capacity per adapter strip up to 12 fibers with LC quad adapter

Front and rear module insertion

Low insertion loss to minimize impact on loss budgets

Applications

Entrance facility

Data center

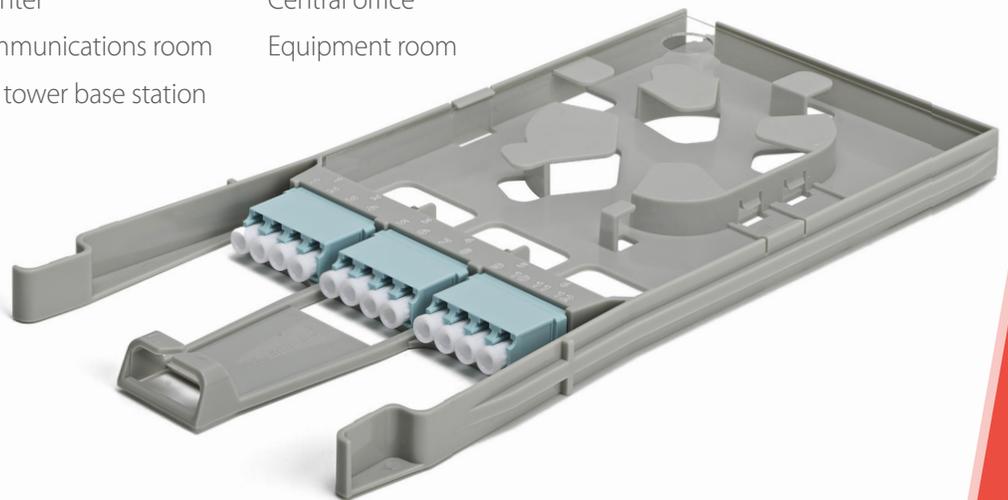
Telecommunications room

Cellular tower base station

Consolidation point

Central office

Equipment room



Certification and Compliance

ANSI/TIA-942-A	Telecommunications Infrastructure Standard for Data Centers
ANSI/TIA-568-C.3	Optical Fiber Cabling Components Standard
TIA-604 series	Fiber Optic Connector Intermateability Standard
TIA-455 series	Standard Test Procedure for Fiber Optic Components
GR-326-CORE	Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies
IEC 60874-1	Connectors for Optical Fibers and Cables – Generic Standard
IEC 61300	Fiber Optic Interconnecting Devices and Passive Components – Basic Test and Measurement Procedures
UL 94	Tests for Flammability of Plastic Material for Parts in Devices and Appliances
RoHS	Directive on Restriction of Hazardous Substances

Ordering Information

NS - PM - W B CC D

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CONNECTOR	NUMBER OF CONNECTORS	CORE SIZE
L	06	M
LC	6 connectors	OM1/OM2 MM, Beige, Phosphor Bronze
S	12*	G
SC	12 connectors	OM3/OM4 MM, Aqua, Zirconia Ceramic
		S
		Single Mode, UPC, Blue, Zirconia Ceramic
		A
		Single Mode, APC, Green, Zirconia Ceramic

* 12 fiber modules available in LC type only

Physical Characteristics

Parameter	Value
Patch Module material	UL 94V-0 High-Impact ABS Thermoplastic
Overall dimensions	9.1 in (231mm) x 4.3 in (109mm) x 0.5 in (13mm)

Mechanical Characteristics

Parameter	Value
Operating temperature	-40° C (-40° F) ~ 75° C (167° F)
Storage temperature	-40° C (-40° F) ~ 85° C (185° F)
Temperature cycling	-40° C (-40° F) ~ 75° C (167° F), 40 cycles = 0.2 dB change
High temperature	70° C for 96 hours = <0.4 dB change
Mating durability	500 mating cycles (cleaning every 25 matings) = <0.2dB change
Storage temperature	40° C (104° F) at 93% RH for 96 hours = <0.4 dB change

Optical Performance

Parameter	Single Mode UPC	Single Mode APC	Multimode OM1	Multimode OM2	Multimode OM3
Insertion Loss	0.2 dB Max.	0.2 dB Max.	0.3 dB Max.	0.3 dB Max.	0.3 dB Max.
Return Loss	-55 dB	-65 dB	N/A	N/A	N/A