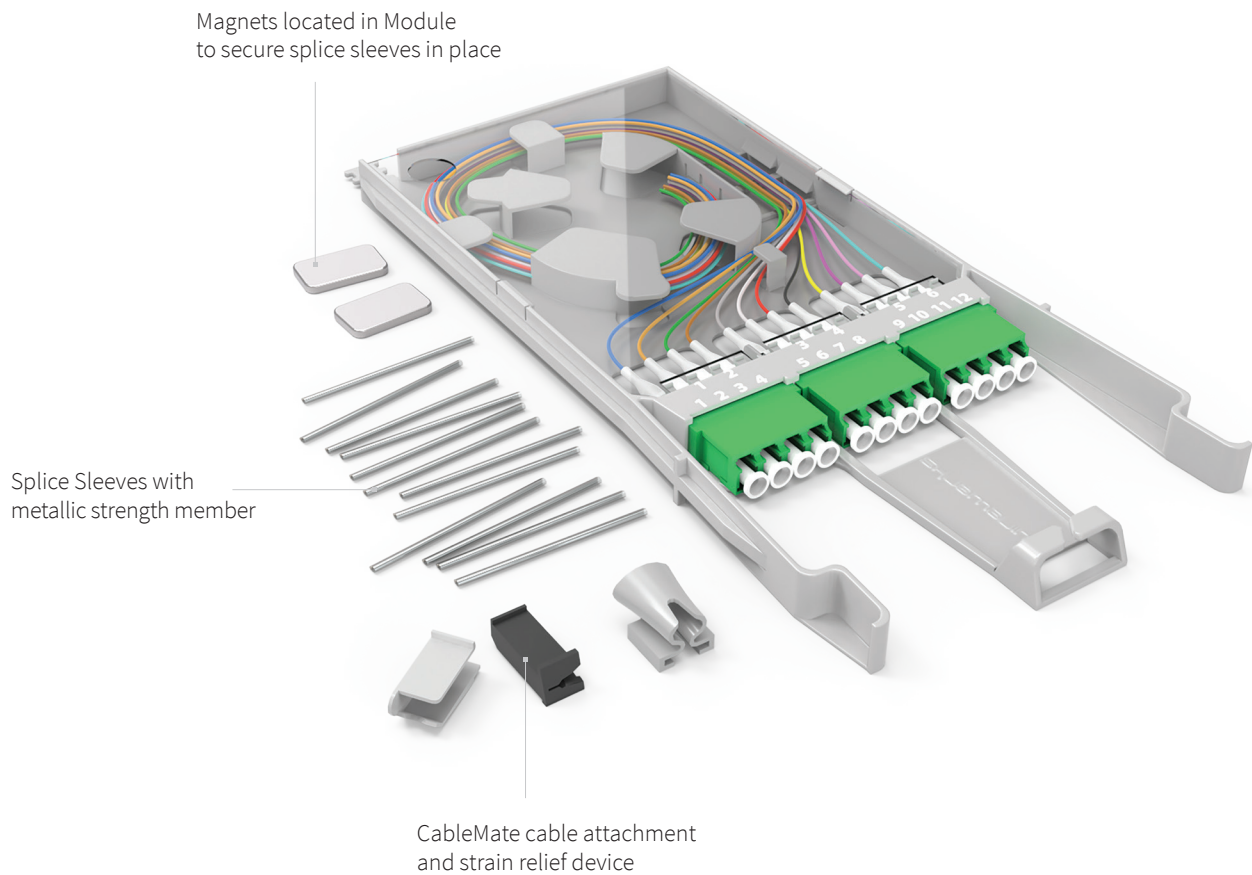


NEXTSTEP™

FACTORY ASSEMBLED
PATCH MODULE

PDS-0230



DESCRIPTION

NextSTEP™ Factory-Assembled Patch Modules are high-density splice modules that come pre-configured and pre-routed for a simple plug-n-play, tool-less installation. Each NextSTEP Patch Module combines the functionality of a fusion-splice tray and an LC/SC adapter strip in the same module.

All patch modules feature an integrated magnetic splice sleeve holder to hold splice sleeves in place; eliminating the occurrence of performance degrading micro-bends that result from press-fitting splices into rigid plastic or foam-style splice sleeve holders. Unique to the industry, NextSTEP Patch Modules all come with Wirewerk's CableMate cable attachment and strain-relief device that eliminates the need for tie-wraps during installation.

NextSTEP Patch Modules are fully compatible with all NextSTEP Patch Panels and support up to 144F in 1U; 576F in 4U; and up to 72F in NextSTEP Wall Mount applications. Patch Modules may be inserted or removed, without tools, from the front or rear of any NextSTEP Patch Panel and may be mixed or matched in any combination, in any shelf position, with other types of NextSTEP Fiber Modules.

FEATURES and BENEFITS

- Module comes pre-configured to customer's specification, pre-routed, pre-terminated and factory tested
- 12 LC/6 SC ports per module: up to 144F in 1U; 576F in 4U; or 72F in wall mount applications
- Industry-exclusive magnetic splice sleeve holder eliminates performance impairing micro-bends
- Industry-exclusive CableMate in each module eliminates the need for tie-wraps/zip-ties at back of module
- Compatible with all NextSTEP Patch Panels
- Precision engineered and manufactured from high-impact ABS thermoplastic for strength and durability
- Easy, tool-less slide-in/slide-out installation/removal from either the front or rear of the patch panel with secure click-in-place stops
- Low Insertion Loss (IL) to minimize impact on loss budgets
- Complete choice of fiber type, core/cladding size, ferrule material and end-face polish to suit any application and installation environment
- Integrated cable routing, slack management, bend-radius protection and strain-relief in each module

APPLICATIONS

Vertical Markets	Installation Environments
Data Centers	Entrance Facility
SANs	Telecom Room
Enterprise LANs	Equipment Room
MSO/Carrier Networks	Consolidation Point
	Central Office
	Cell Tower Base Station

ORDERING INFORMATION

Part Number	Description
LPM-W- BCCDE	Loaded NextSTEP™ Patch Module

LPM = Loaded NextSTEP Patch Module, W = Wirewerks NextSTEP Footprint

Example: LPM-WL12S-A = LOADED NEXTSTEP PATCH MODULE, 12 FIBER, WITH COLOR-CODED PIGTAIL SM B/I 10MM 900UM LC/UPC AND SPLICE KIT

Adapter Type		Fiber Count		Performance		Loading Options	
L	LC	06	06 Fiber	M	62.5/125µm Multimode OM1	A	900µm Color-Coded Pigtailed with Splice Kit
C	SC	12	12 Fiber	B	50/125µm Multimode OM2 Bend Insensitive 7.5mm	R	900µm Ribbon Pigtails with Ribbon Splice Sleeve
				G	50/125µm Multimode OM3 Bend Insensitive 7.5mm		
				D	50/125µm Multimode OM4 Bend Insensitive 7.5mm		
				S	UPC Single Mode OS2 Bend Insensitive 10mm		
				A	APC Single Mode OS2 Bend Insensitive 10mm		

Part Number	Description
LPM-WC06A-A	Loaded NextSTEP™ Patch Module 6F SM SC/APC w/6x900µm 0.5m & Splice Kit
LPM-WC06S-A	Loaded NextSTEP™ Patch Module 6F SM SC/UPC w/6x900µm 0.5m & Splice Kit
LPM-WL12A-A	Loaded NextSTEP™ Patch Module 12F SM LC/APC w/12x900µm 0.5m & Splice Kit
LPM-WL12S-A	Loaded NextSTEP™ Patch Module 12F SM LC/UPC w/12x900µm 0.5m & Splice Kit
LPM-WL12G-A	Loaded NextSTEP™ Patch Module 12F OM3 LC/PC w/12x900µm 0.5m & Splice Kit
LPM-WL12S-R	Loaded NextSTEP™ Patch Module 12F SM LC/UPC w/12F Ribbon PT 1m & Splice Kit

INCLUDED

Description
Patch Module Strain Relief Clip Patch Module Strain Relief Guide Patch Module Strain Relief Rubber Instruction Sheet

PACKAGING and SHIPPING

Description	Dimensions	Shipping Weight
1 Per Blister Pack	7.25" x 11.25" x 1" (184mm x 286mm x 25.4mm)	0.38 lbs (0.17kg)

PHYSICAL SPECIFICATIONS

Attribute	Value	
Dimensions	9.1" x 4.3" x 0.5" (231mm x 109mm x 13mm)	
Weight	0.22 lbs (0.10 kg)	
Materials	UL 94V-0 high-impact ABS Thermoplastic	
Matting Sleeve Color & Finish	LC/SC - MM 12 LC/6 SC	OM1/OM2; Zirconia ceramic sleeve; Beige
		OM3/OM4; Zirconia ceramic sleeve; Aqua
	LC/SC - SM 12 LC/6 SC	SM; UPC; Zirconia ceramic sleeve; Blue
		SM; APC; Zirconia ceramic sleeve; Green

MECHANICAL SPECIFICATIONS

Parameter	Value	
Patch Module	Operating Temperature	-40° to 75°C (-40° to 167°F)
	Storage Temperature	-40° to 85°C (-40° to 185°F)
	Temperature Cycling	-40° to 75°C (-40° to 167°F): 40 cycles = 0.2dB change
	High Temperature	-40° to 75°C (-40° to 167°F): 40 cycles = 0.2dB change
	Mating Durability	500 mating cycles (inspect before you connect) = <0.2dB change
	Damp Heat	40°C (104° F) at 93% RH for 96 hours = <0.4dB change
900µm Pigtailed	Operating Temperature	-20° C (-4° F) ~ 60° C (140° F)
	Storage Temperature	-40° C (-40° F) ~ 60° C (140° F)

OPTICAL CHARACTERISTICS

Parameter		Value
900µm Pigtailed	LC/SC - Insertion Loss	SM UPC ≤0.30 dB SM APC ≤0.30 dB MM PC ≤0.55 dB
	LC/SC - Return Loss	SM UPC ≤-55 dB SM APC ≤-65 dB

STANDARDS COMPLIANCE

ITU-T G.652.D

Characteristics of Single Mode Optical Fiber Cable – Low Water Peak Single Mode

GR-326-CORE

Generic Requirements for Single Mode Optical Connectors and Jumper

GR-20-CORE

Generic Requirements for Optical Fiber and Optical Fiber Cable

ANSI/TIA-568-C.3

Optical Fiber Cabling Components Standard

ANSI/TIA-598-C

Optical Fiber Cable Color Coding

TIA-604 series

Fiber Optic Connector Intermateability Standard

TIA-455 series

Standard Test Procedure for Fiber Optic Components

IEC 60874-1

Connectors for Optical Fibers and Cables – Generic Standard

UL 94

Tests for Flammability of Plastic Material for Parts in Devices and Appliances

RoHS

Directive on Restriction of Hazardous Substances