DENALI® Splice Cassettes

DENALI Splice Cassettes deliver flexible, high-density splice management for evolving data center and enterprise networks. Designed for rapid field termination, each cassette supports 250-micron single fiber or ribbon pigtails.

A snap-in splice sleeve cradle keeps both single and ribbon fibers neatly organized, and the cassette design allows front or rear installation for efficient Moves, Adds, and Changes (MACs) without disrupting adjacent connections.

Globally available, DENALI Splice Cassettes simplify splicing, reduce installation time and maintain consistent network performance.

Features

- High-Density Splicing
  - Up to 12 LC ports (24 fibers) per cassette
  - Supports Base-12, Base-16 and Base-24 configurations
- Seamless Integration
  - Pre-loaded and pre-routed pigtails
  - Single fiber or ribbon fiber splicing
  - Front or rear cassette loading for flexible installation
  - Shuttered LC Adapters to improve laser safety and reduce dirt/ contamination ingress

Benefits

- **Scalable by Design**
  - Enables speeds from 10G to 800G and beyond
  - Modular form factor supports incremental or full-scale growth
  - Future-ready for equipment upgrades and parallel optic architectures
- **Consistent Performance at Global Scale**
  - Maintains low-loss, high-density performance across global deployments
  - Compatible with DENALI's sliding tray system for efficient cable management
- **Fast, One-Person Installation**
  - Faster patching with shuttered adapter
  - Splice work can take place conveniently away from the rack
  - 60-75% faster field splicing with ribbon pigtails and mass-fusion splicing

Applications

- AI/ML
- Hyperscale
- Colocation
- Campus Networks
- Central Office and Office Backbone

Optical Performance

Connector Mating	Insertion Loss Average	Insertion Loss Max	Return Loss
LC Premium Low Loss (MM)	0.08 dB	0.15 dB	N/A
LC Premium Low Loss (SM)	0.12 dB	0.15 dB	≤ -60 dB

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Ordering Information

DC	–	SC	–	4	–	ALC	–	SM	–	S	–	MF
DC = DENALI Cassette		**Cassette Type** SC = Splice Cassette		**Front Adapter Count** 4 6 8 12 16 24 48		**Front Adapters** ALC = LC APC ULC = LC UPC PLC = LC PC MUD = MPO Key Up Key Down MUU = MPO Key Up Key Down		**Fiber Type** SM OM3 OM4 OM5		**Fiber Bundle** S = Stranded R = Coated Ribbon		**Polarity** MF = METHOD F BLANK = Standard (A)

Category	Description	AFL No.
BASE-12	DENALI SPLICE CASSETTE, 12 FIBER, LC/UPC, SM, STRANDED PIGTAIL	DC-SC-12ULC-SM-S
	DENALI SPLICE CASSETTE, 12 FIBER, LC/APC, SM, STRANDED PIGTAIL	DC-SC-12ALC-SM-S
	DENALI SPLICE CASSETTE, 12 FIBER, LC/PC, OM3, STRANDED PIGTAIL	DC-SC-12PLC-OM3-S
	DENALI SPLICE CASSETTE, 12 FIBER, LC/PC, OM4, STRANDED PIGTAIL	DC-SC-12PLC-OM4-S
	DENALI SPLICE CASSETTE, 12 FIBER, LC/UPC, SM, RIBBON PIGTAIL	DC-SC-12ULC-SM-R
	DENALI SPLICE CASSETTE, 12 FIBER, LC/APC, SM, RIBBON PIGTAIL	DC-SC-12ALC-SM-R
BASE-16	DENALI SPLICE CASSETTE, 16 FIBER, LC/UPC, SM, STRANDED PIGTAIL	DC-SC-16ULC-SM-S
	DENALI SPLICE CASSETTE, 16 FIBER, LC/APC, SM, STRANDED PIGTAIL	DC-SC-16ALC-SM-S
	DENALI SPLICE CASSETTE, 16 FIBER, LC/PC, OM3, STRANDED PIGTAIL	DC-SC-16PLC-OM3-S
	DENALI SPLICE CASSETTE, 16 FIBER, LC/PC, OM4, STRANDED PIGTAIL	DC-SC-16PLC-OM4-S
	DENALI SPLICE CASSETTE, 16 FIBER, LC/UPC, SM, RIBBON PIGTAIL	DC-SC-16ULC-SM-R
	DENALI SPLICE CASSETTE, 16 FIBER, LC/APC, SM, RIBBON PIGTAIL	DC-SC-16ALC-SM-R
BASE-24	DENALI SPLICE CASSETTE, 24 FIBER, LC/UPC, SM, STRANDED PIGTAIL	DC-SC-24ULC-SM-S
	DENALI SPLICE CASSETTE, 24 FIBER, LC/APC, SM, STRANDED PIGTAIL	DC-SC-24ALC-SM-S
	DENALI SPLICE CASSETTE, 24 FIBER, LC/PC, OM3, STRANDED PIGTAIL	DC-SC-24PLC-OM3-S
	DENALI SPLICE CASSETTE, 24 FIBER, LC/PC, OM4, STRANDED PIGTAIL	DC-SC-24PLC-OM4-S
	DENALI SPLICE CASSETTE, 24 FIBER, LC/UPC, SM, RIBBON PIGTAIL	DC-SC-24ULC-SM-R
	DENALI SPLICE CASSETTE, 24 FIBER, LC/APC, SM, RIBBON PIGTAIL	DC-SC-24ALC-SM-R

Qualifications

Governing Body	Standard Code
RoHS	Compliant
REACH	Compliant

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