Fiber Management

UltraSlim 1RU V-Panel BASE-12 with 144 Fibers

The UltraSlim 1RU V-Panel BASE-12 with 144 Fibers is specially designed to accommodate high-density cabling in high-end data center and telecommunication central office environments. The shallow profile of the UltraSlim Panel makes it suitable for low depth copper racking or telecommunications optical distribution frames (ODFs). Design accommodates extraction-free shuttered LC QUAD adapters allowing for smooth patching and easy LC port access. The V-shape front and rear cable management provides a neat and tidy solution for managing incoming and exiting cables. Fixed panel offers both installation speed and cost effectiveness against typical high-density modular systems. Low loss Premium MPO and LC Premium versions are offered featuring significantly improved low insertion losses for demanding low power budget, high-speed networks.
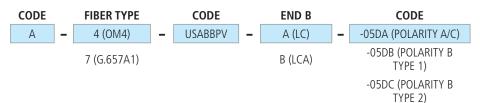
Features

- Compact, 1RU size with low depth saves space and makes the panel compatible with copper racking system
- 1RU panel scaled up to 144 discrete LC front ports and up to 12 MPO rear interfaces
- Designed around AFL Hyperscale's patented high-density LC square quad adapter – no extraction tools required to access front LC ports
- Rapid deployment with factory pre-populated panel saves installation time – 1 x click to connect 12 fibers using MPO interface
- V-shape front and rear fiber cable management accessories
- Optimized Performance – Low loss MPO, discrete premium connectors and OM4 fiber assures low insertion losses and power penalties in tight power budget, high speed network environments
- Reliability – 100% Tested – Combination of high quality components and manufacturing quality control guarantees product to the highest standards

Applications

- Data Communication Applications
- Data Center Infrastructure
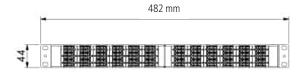- Storage Area Network – Fiber Channel
- 40 and 100 Gbps Protocols

Ordering Information
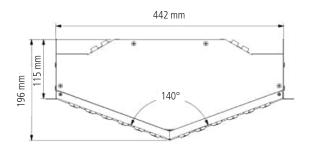
CODE	FIBER TYPE	CODE	END B	CODE
A	4 (OM4)	USABBPV	A (LC)	-05DA (POLARITY A/C)
	7 (G.657A1)		B (LCA)	-05DB (POLARITY B TYPE 1)
				-05DC (POLARITY B TYPE 2)

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Technical Drawings

Specifications

PARAMETER	VALUE
Fiber Types	SM G.657A1, MM OM4
Fiber Count	144
MPO Adapters	IEC 61754 and EIA/TIA 604-5 Body Color: Black Polarity: A/C – Keyway up-Keyway down Body Color: Grey Polarity: B – Keyway up-Keyway up
LC Adapter	LC Quad Body Color: Aqua (MM)(OM4), Blue (SM/UPC), Green (SM/APC)
Terminations	MPO Low Loss Premium (12 Fiber Ferrule) with LC Low Loss Premium
Dimensions (W x D x H) Packaged	464 mm x 196 mm x 44 mm 545 mm x 260 mm x 70 mm
Weight Packaged	2 kg 2.2 kg

Qualifications

GOVERNING BODY	STANDARD CODES	COMPONENT
IEC	61754	MPO Adapters
EIA/TIA	604-5	MPO Adapters

Temperature Specifications

TEMPERATURE RANGE	
STORAGE	-20°C to +60°C
INSTALLATION	-20°C to +60°C
OPERATING	-20°C to +60°C

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Connector Performance

CONNECTOR MATING	INSERTION LOSS (IL) AVERAGE	IL MAX	RETURN LOSS (RL)
MPO Premium (MM)	0.10 dB	0.35 dB	N/A
NA	NA	NA	N/A
MPO Premium (SM)	0.10 dB	0.35 dB	>60 dB
NA	NA	NA	N/A

OPTICAL PERFORMANCE	MM PREMIUM	NA	SM PREMIUM	NA	CONFORMANCE
IL Max/Master (Acceptance)	0.15 dB	NA	0.15 dB	NA	IEC 61300-3-4
Ave/Master	0.08 dB	NA	0.12 dB	NA	IEC 61300-3-4
Ave/Random	0.10 dB	NA	0.12 dB	NA	IEC 61300-3-34
RL(Min Acceptance)	NA	NA	55/65 dB*	NA	IEC 61300-3-6

*UPC/APC