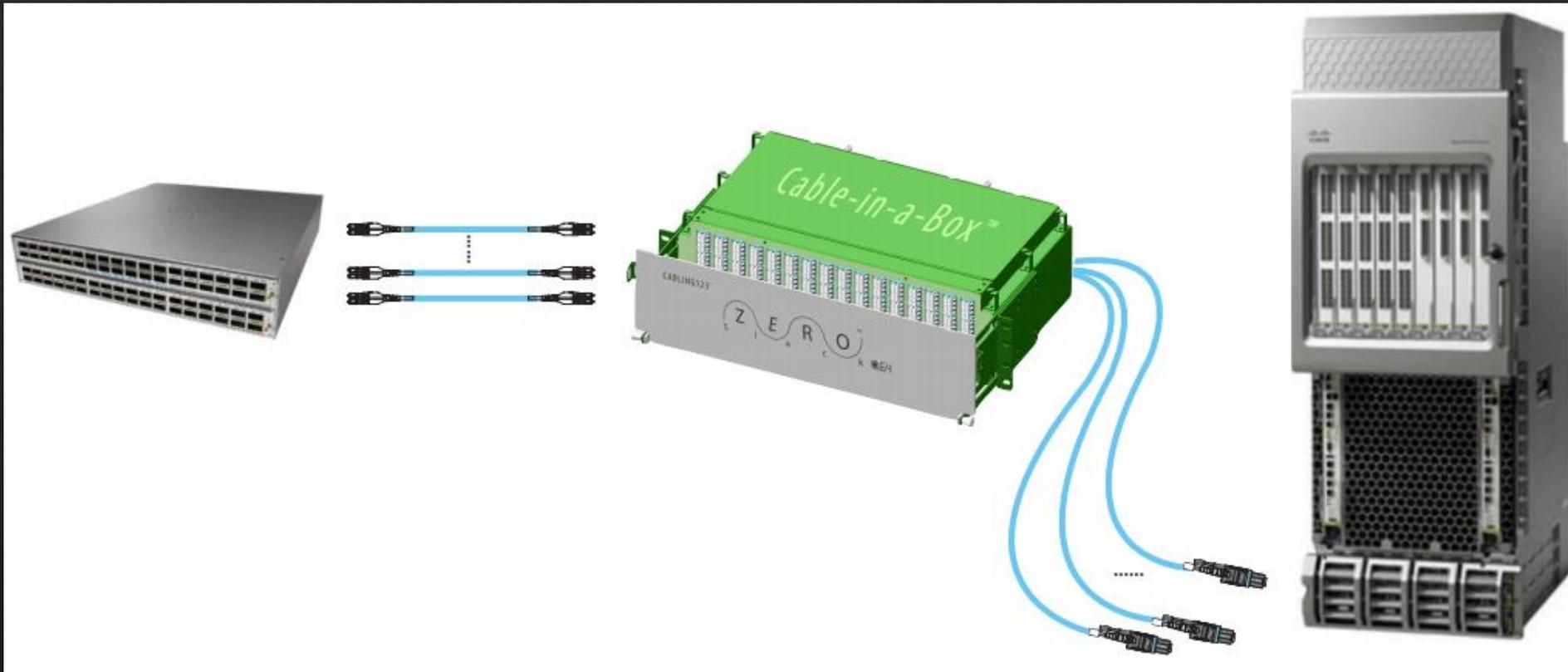


RFUSION

TOMORROWS TECHNOLOGY TODAY

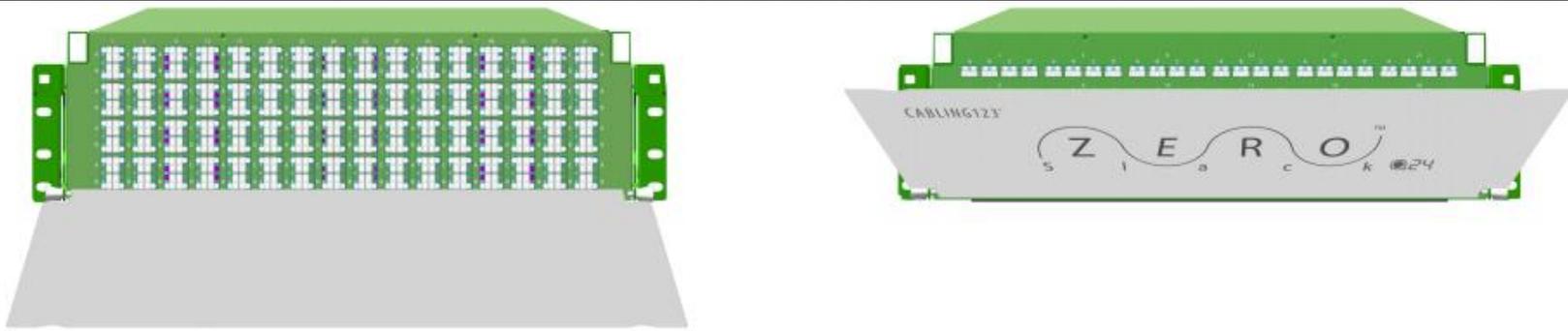
Cable-in-a-Box Accompanying 400G & 800G Switches



RFUSION

TOMORROWS TECHNOLOGY TODAY

Cable-in-a-Box Accompanying 400G & 800G Switches



S I E a R c O k TM ©24

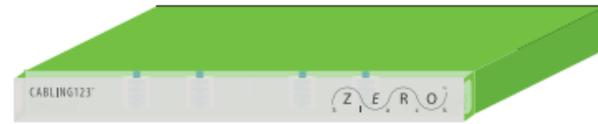
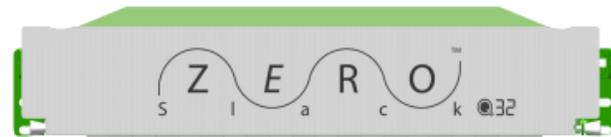
Model	Max Reach	Description	Ports (MPO/LC)	Part #
Q64	3M	3RU 64x MPO to 256 Duplex LC MM OM4	64/256	69S64Z51P-8080P-3M
Q64	3M	3RU 64x MPO to 256 Duplex LC SM	64/256	69S64Z51P-3084P-3M

Model	Max Reach	Description	Ports (MPO/LC)	Part #
Q24	10M	3RU 24x MPO to 96 Duplex LC MM OM4	24/96	69S24Z51P-8080P-10M
Q24	10M	3RU 24x MPO to 96 Duplex LC SM	24/96	69S24Z51P-3084P-10M

RFUSION

TOMORROWS TECHNOLOGY TODAY

Cable-in-a-Box Accompanying 400G & 800G Switches



Model	Max Reach	Description	Ports (MPO/LC)	Part #
Q32	3M	2RU 32x MPO to 128 Duplex LC MM OM4	32/128	69S32Z51P-8080P-3M
Q32	3M	2RU 32x MPO to 128 Duplex LC SM	32/128	69S32Z51P-3084P-3M

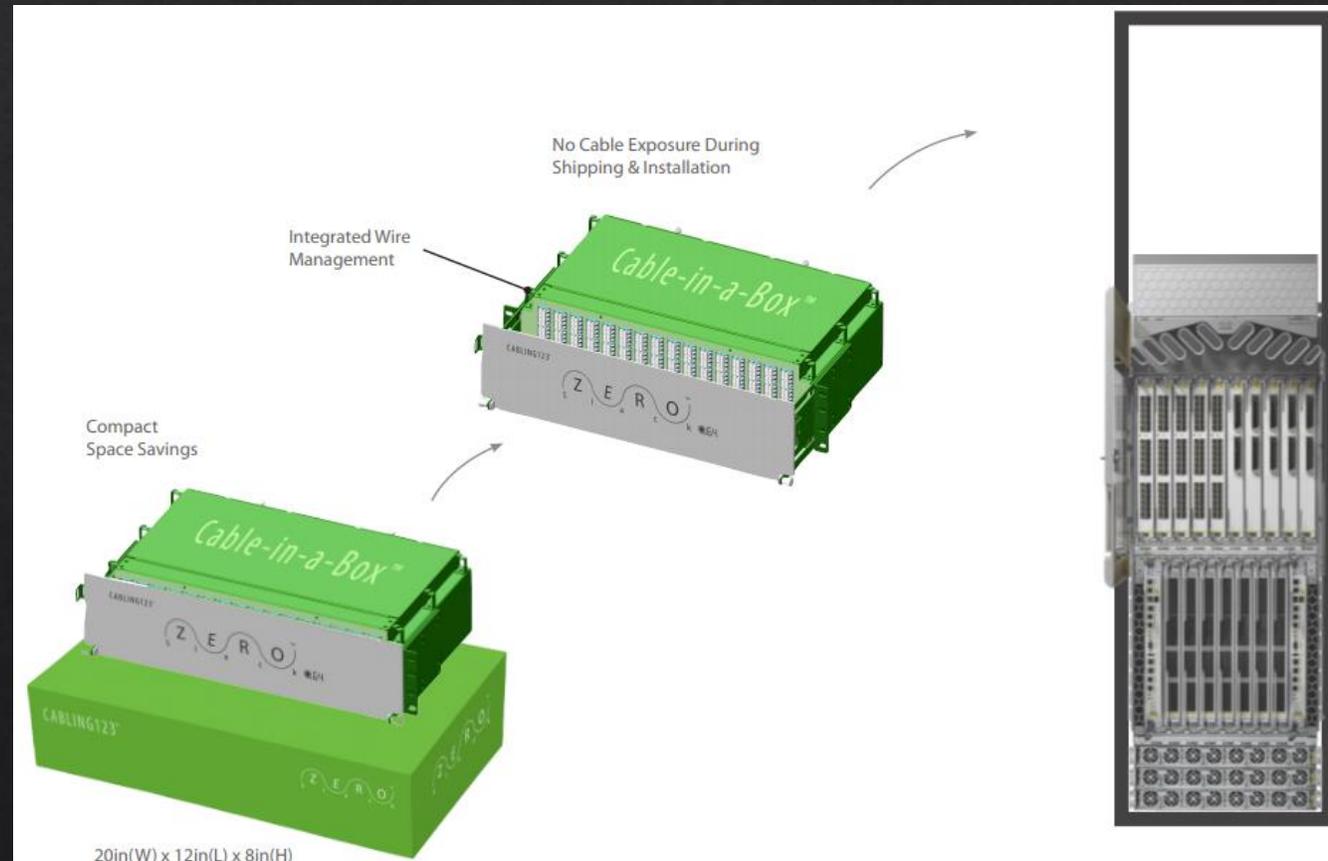
Model	Max Reach	Description	Ports	Part #
Slack-1	10M	1RU 8x Single LC-LC Duplex up to 10M MM OM4	8	69S8Z31U-8020P-10M
Slack-4	10M	1RU 8x 4 LC-LC Duplex Mini Trunks up to 10M MM OM4	32	69S8Z31U-8080P-10M
Slack-8	10M	1RU 8x 8 LC-LC Duplex Mini Trunks up to 10M MM OM4	64	69S8Z31U-8160P-10M
Slack-1	10M	1RU 8x Single LC-LC Duplex up to 10M SM	8	69S8Z31U-3021P-10M
Slack-4	10M	1RU 8x 4 LC-LC Duplex Mini Trunks up to 10M SM	32	69S8Z31U-3081P-10M
Slack-8	10M	1RU 8x 8 LC-LC Duplex Mini Trunks up to 10M SM	64	69S8Z31U-3161P-10M

Custom Options are Available Upon Request

RFUSION

TOMORROWS TECHNOLOGY TODAY

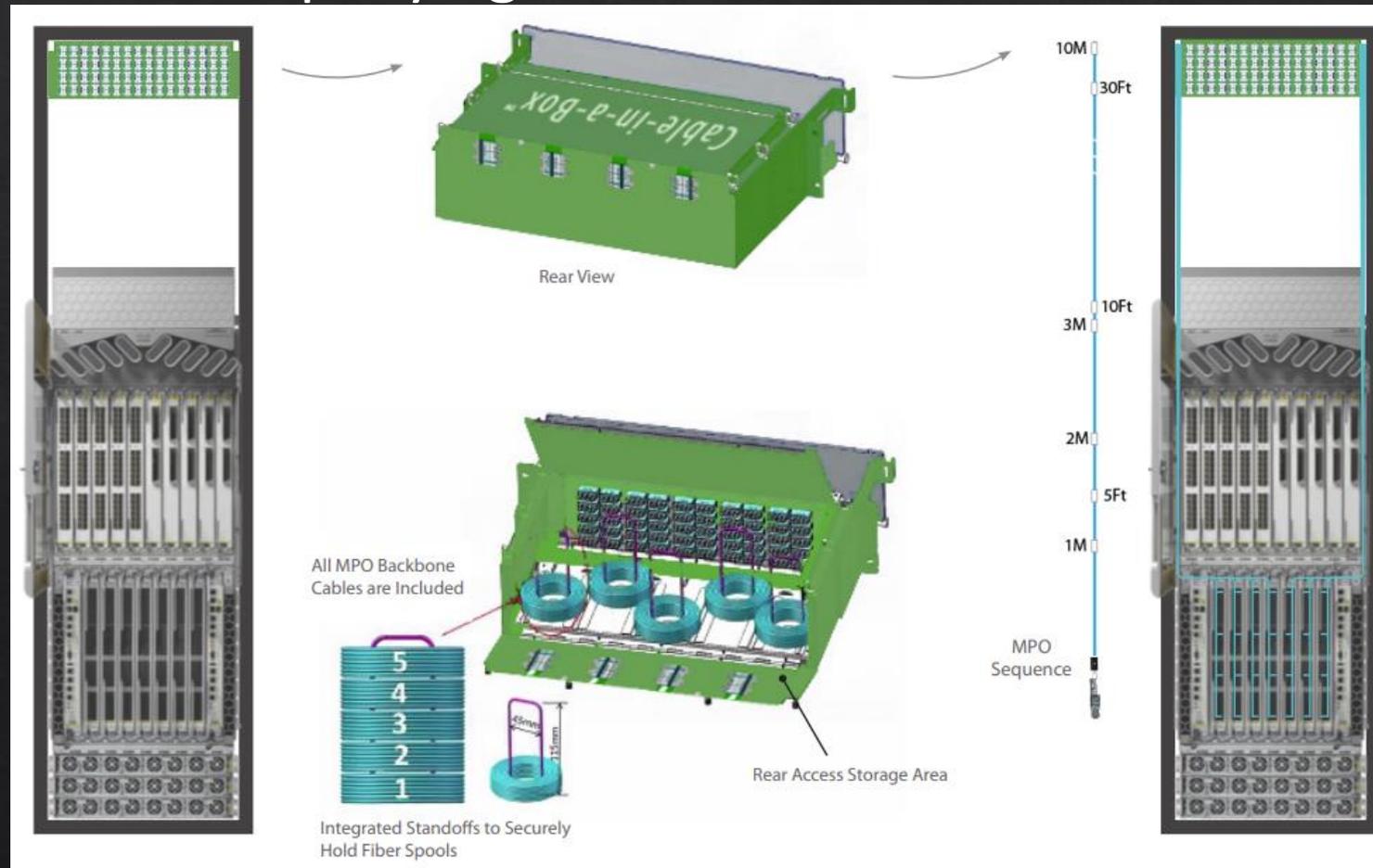
Cable-in-a-Box Easy straight forward installation



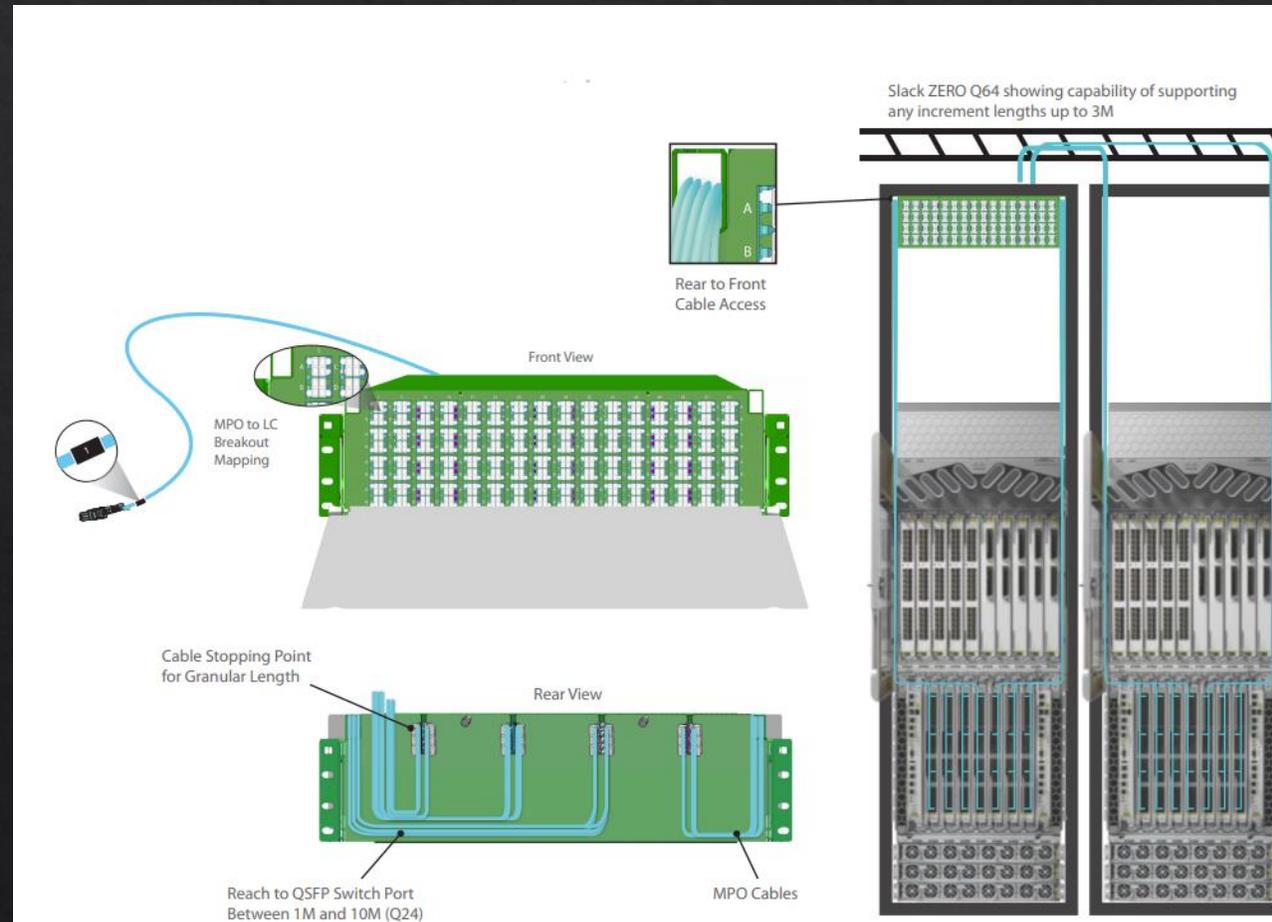
RFUSION

TOMORROWS TECHNOLOGY TODAY

Cable-in-a-Box Accompanying 400G & 800G Switches



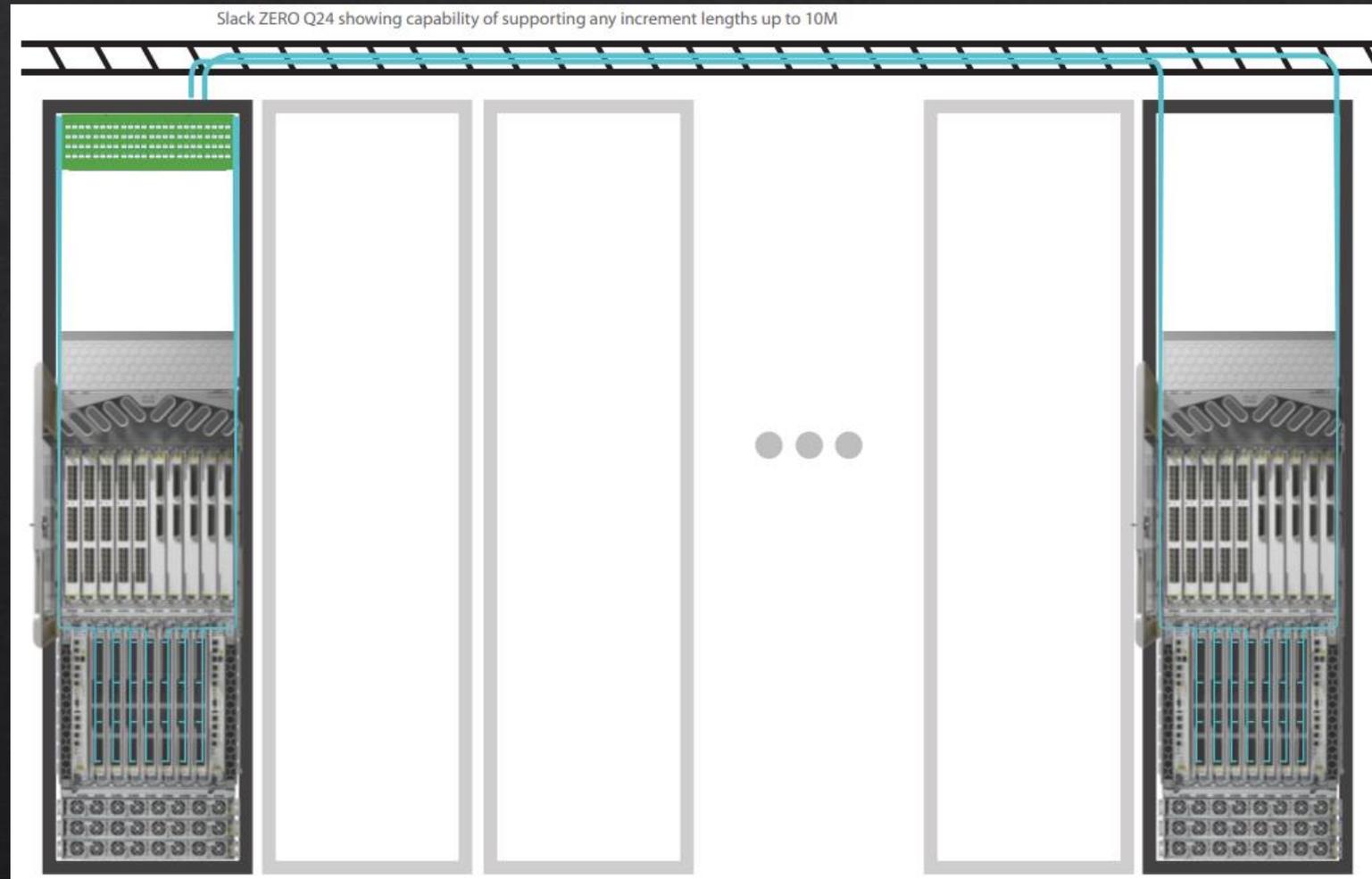
Cable-in-a-Box Application



RFUSION

TOMORROWS TECHNOLOGY TODAY

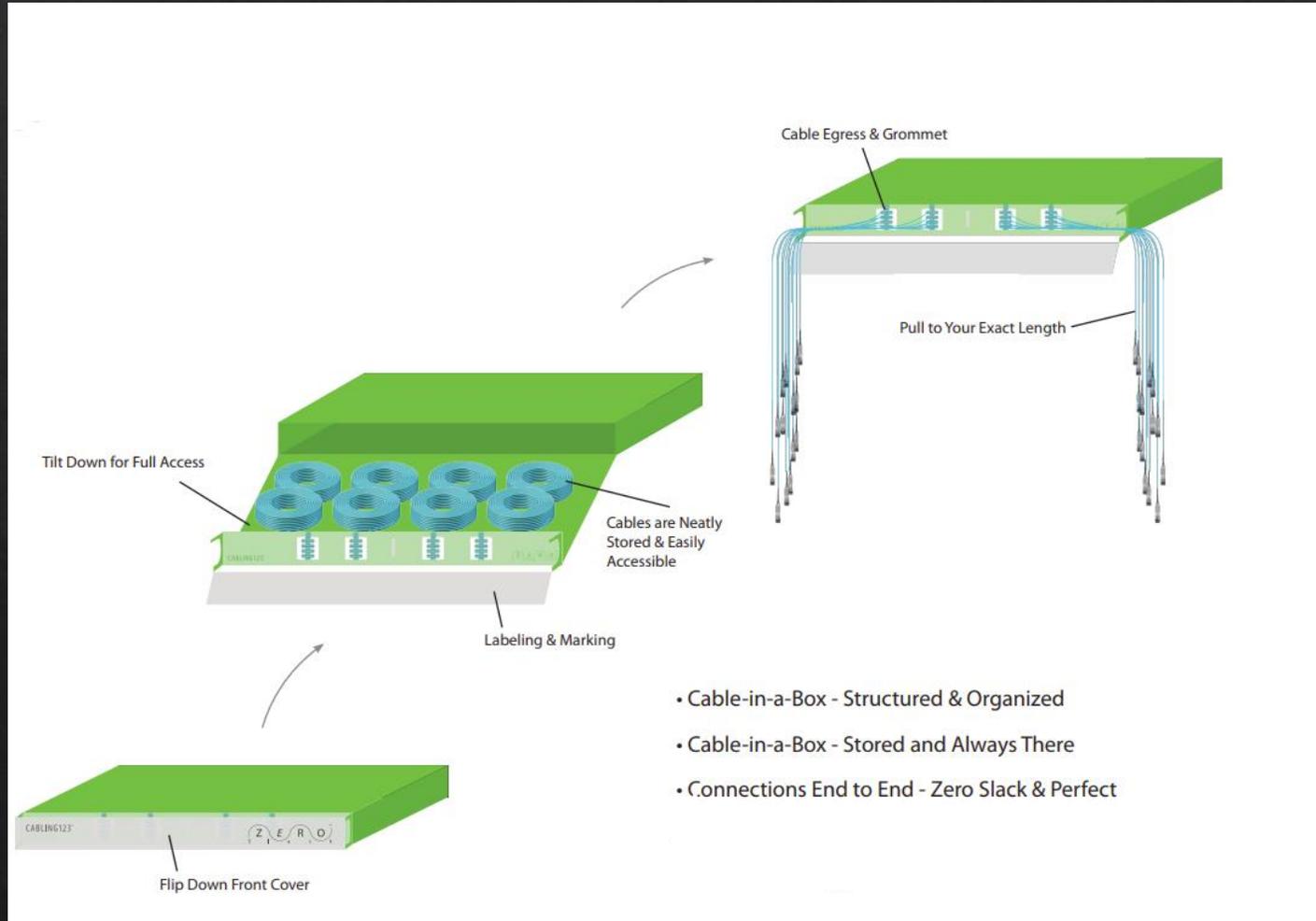
Cable-in-a-Box



RFUSION

TOMORROWS TECHNOLOGY TODAY

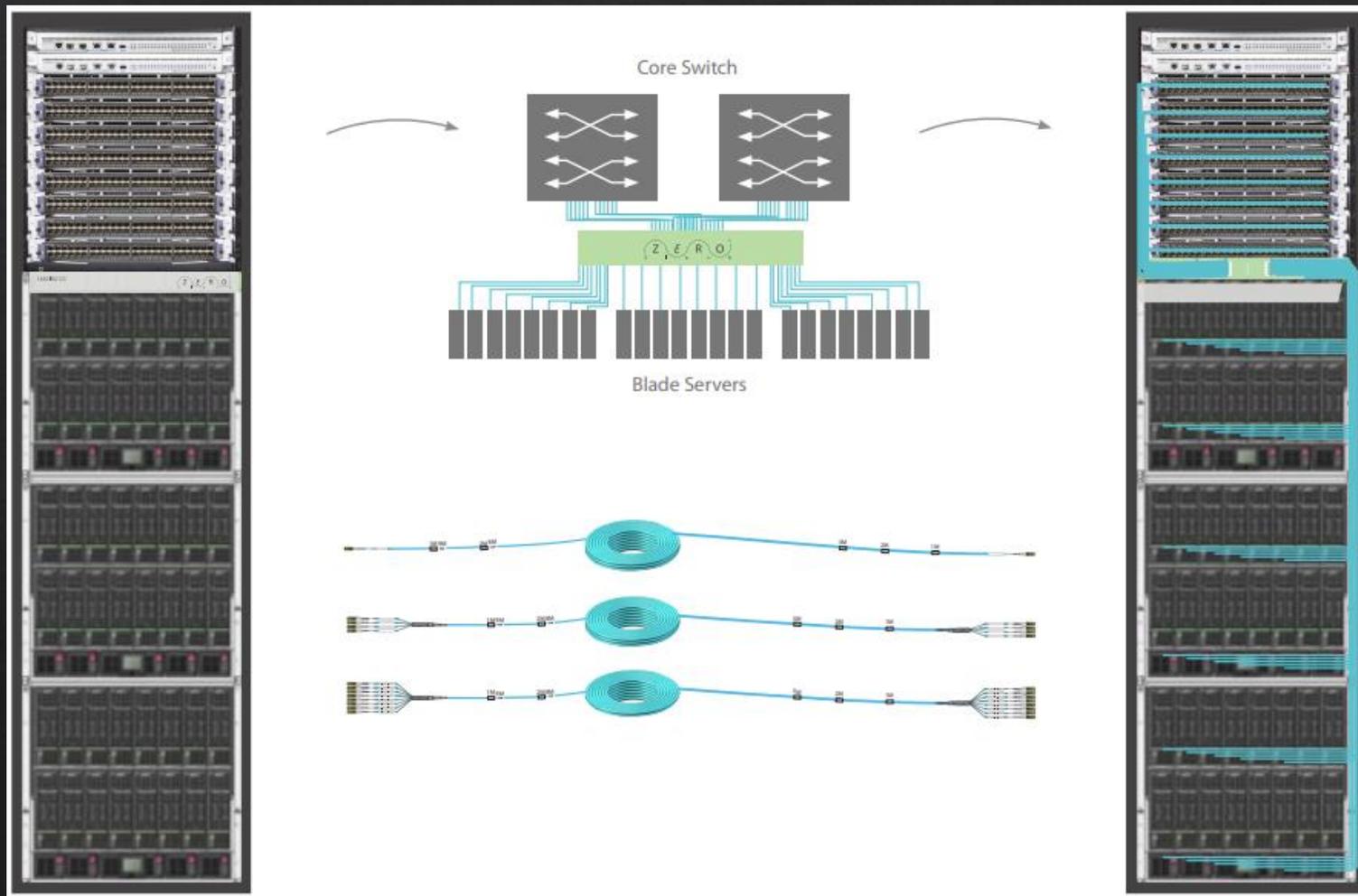
Cable-in-a-Box



RFUSION

TOMORROWS TECHNOLOGY TODAY

Cable-in-a-Box



Cable-in-a-Box Specifications

Q Specifications		
Fiber Type	Multi Mode OM4	Single Mode
Rear Interface	MPO Female Cable	MPO (APC) Female Cable
Insertion Loss (dB)	0.55 Max	0.75 Max
Return Loss (dB)	N/A	≥ 55 dB
Jacket Material	3mm OD Plenum OFNP	3mm OD Plenum OFNP
Jacket Color	Aqua	Yellow
Min. Bending Radius (mm)	10 D (Dynamic) 10 D (Static)	
Temperature Range	-20~60°C (Storage or Transportation)	0~50°C (Installation)
Environmental Compliance	ROHS, REACH	
Slack Specifications		
Fiber Type	Multi Mode OM4	Single Mode
Insertion Loss (dB)	0.3 Max	0.3 Max
Return Loss (dB)	≥ 25 dB	≥ 50 dB
Jacket Material	3mm OFNR	3mm OFNR
Jacket Color	Aqua	Yellow
Min. Bending Radius (mm)	10 D (Dynamic) 10 D (Static)	
Temperature Range	-20~60°C (Storage or Transportation) 0~50°C (Installation)	
Environmental Compliance	ROHS, REACH	

RFUSION

TOMORROWS TECHNOLOGY TODAY

Cable-in-a-Box Eliminating cabling problems in network deployments

Simple & Value Add

- Cable-in-a-Box is a companion to switches
- Cables in the box connect port to port with no slack
- Cable-in-a-Box adds to the sales of switches, with more revenue
- High quality and low cost from factory directly
- Plug & play for system turn-up to save deployment time
- Configured, ordered & arrived on site with switches together
- One part number & all cables needed are in the box
- Reduced & removed issues due to messy cabling
- Simplified for end user customers throughout the process
- **Cable-in-a-Box in 1RU, 2RU & 3RU options**

List of Cabling Problems

- A cable is dependant on 2 devices, so it's hard to determine
- Sometimes it's too short, and often too long
- It's always a long list of materials for a project, often last minute
- Cables are supplied by many vendors, and often the problem
- Engineers often get confused by cabling, which is messy and complex
- Million dollar project are often delayed due to cables
- Ordering cables sometimes costs more than the cables themselves
- Network troubleshooting almost 100% is due to a bad cable
- Customers are unhappy due to cabling pain points
- This is a long overdue problem

