



## Accelerate Your Rack And Stack Production

### Introduction

Server/storage “rack and stack” value added resellers (VAR) and manufacturers know the enormous efficiency and value their service and offerings provide to end customers. At their factories, servers and storage arrays are mounted and secured onto racks to end customers’ exact specifications. With this equipment installed and manufacturing test completed, the entire rack assembly is shipped to the end customer’s premise (e.g. data center) to be deployed.

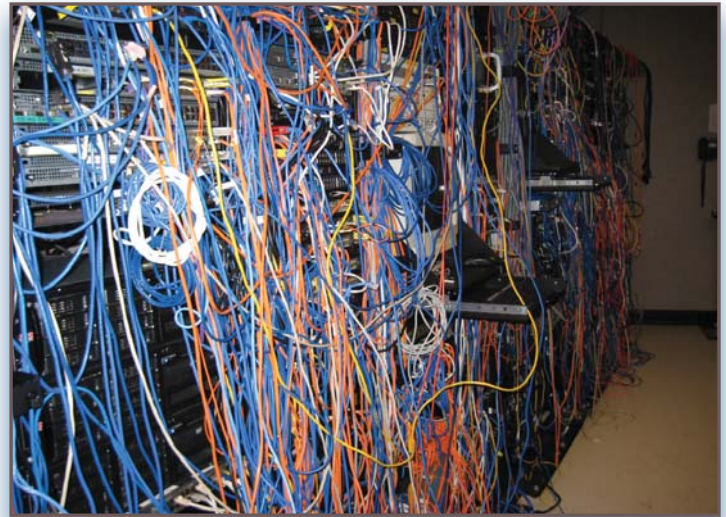
Once power connections are made and network connectivity is established, the new system can be brought up and running in a matter of minutes. Contrasting this with the multiple number of days normally required just to populate and configure an empty rack with server and storage equipment, the cost and time savings can be significant.

This White Paper examines how a simple cable bundling solution from can dramatically accelerate rack and stack production work pre-deployment and also provide a competitive edge post-deployment.

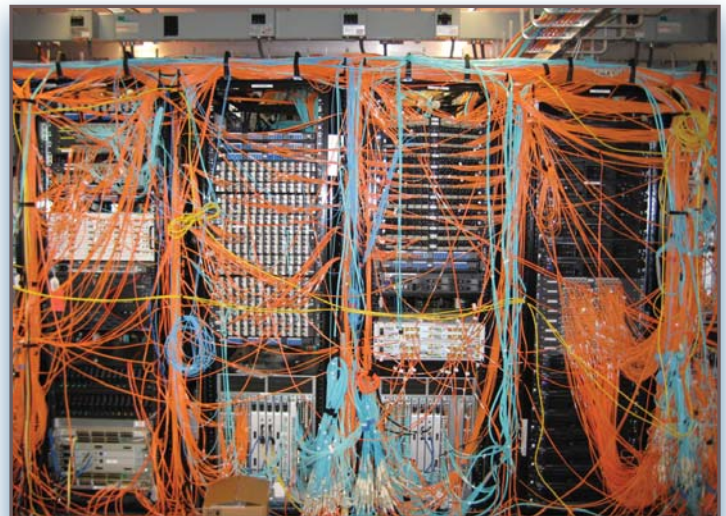
### Unqie Cabling Solution

The unique networking fiber optic and copper cabling bundle solutions allow for:

- Rapid hookups and connections: the staggered cable lengths in each bundle eliminate the cable chao (see figures 1 and 2) that is typically found on many rack systems and data centers; but more importantly it allows for connections between the servers or storage array to the switch to be made quickly and error-free (see figure 3).



*figure 1: Copper cable chaos*



*figure 2: Fiber cable chaos*

- Different Color Cables: Wave2Wave can manufacture the cable bundles in a variety of colors. Many production houses for example choose to match the color of their customer's primary branded color. This extra attention to detail is often welcome and can set these vendors apart from their competition.
- Easy Identification: Each end of a Wave2Wave cable is marked by a unique serial number (see figure 4). The number serves two purposes. One use is for asset and inventory control and management. The other is to allow for easy identification of a cable by matching up the numbers on the connector ends. This system reduces installation time. It also is extremely valuable when the need arises to perform troubleshooting or replacing non-functioning equipment and the affected cable needs to be quickly identified.

## Conclusion

Rack and Stack manufacturers and value-added resellers VARs have come to rely on Wave2Wave's cable bundling solutions to deliver the high quality and cost effective solutions they need to meet the demanding and exacting requirements of their customers.

Partner with Wave2Wave, accelerate your Rack and Stack production and give your manufacturing house a competitive edge.

By Steve Wong  
 Director of Marketing  
 steve@wave-2-wave.com

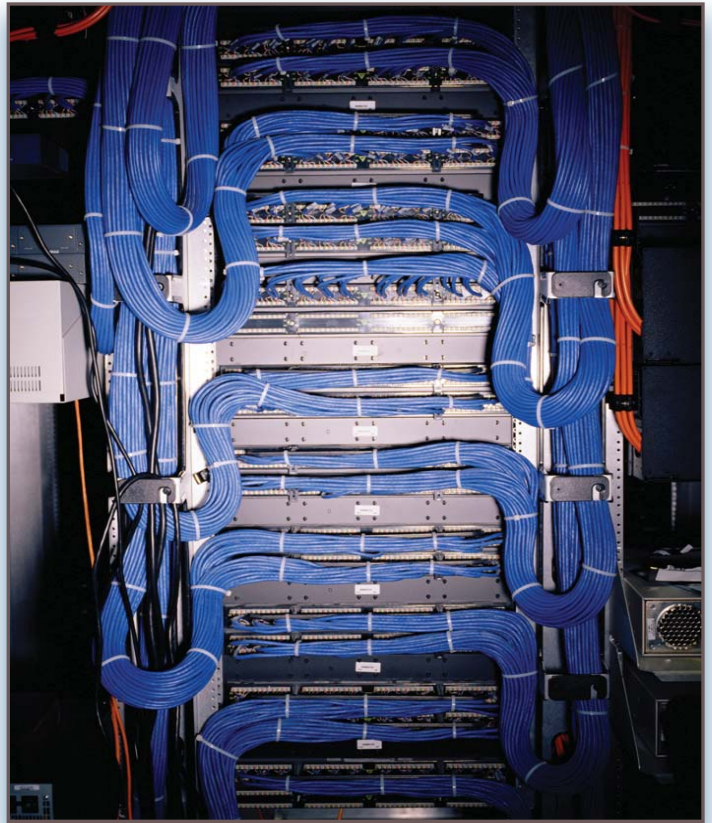


figure 3: Wave2Wave's copper cable bundles



figure 4: Every Wave2Wave's cable has a unique number (on each end)

Wave2Wave provides business essential infrastructure solutions that enable leading enterprises to unlock and realize the benefits of next generation data center technologies. Our data center product families include environmentally friendly and smart network cabling, modular and cost-efficient data centers, optical wavelength management systems and intelligent network infrastructure management software. Our products and solutions serve enterprise, government, military and service provider customers and markets in their mission critical data center and IT applications.



Headquarters: 517 Fairview Way Milpitas, CA 95035 • Website: [www.wave-2-wave.com](http://www.wave-2-wave.com)  
 Email: [sales@wave-2-wave.com](mailto:sales@wave-2-wave.com) • Phone: (877) 223-2296 • Technical Assistance: (408) 586-8800