

Netscale-Solutions

Delivering the highest
fiber density

Get more

Density

World's densest fiber solution

Manageability

Unmatched cable management

Visibility

Automated documentation



Netscale-Solutions.

The highest 10/40/100GbE density.





New cabling for networks

Today's application driven world is changing the demands on the data center. IT and infrastructure managers are under big pressure to deliver better performance at lower cost, and with greater agility than ever before. To get there takes the right fiber cabling solutions that meet the emerging 100G Ethernet standards. But what about tomorrow? Will you be able to scale your infrastructure to meet evolving IT needs?

R&M's Netscale-Solutions represent the world's highest-density fiber cable management solution, and the first to feature integrated intelligent infrastructure management functionality.

Designed as an ultra-high density platform that utilizes the smallest diameter uniboot patch cord for minimal cabling bulk, this solution boasts up to 67% higher density than legacy solutions and promises to eliminate a host of cable management problems that plague data centers today.

“Netscale sets a new benchmark for the industry and promises relief from cabling challenges.”

Density.

World's densest fiber solution.

“Netscale offers a 67% higher density than the industry standard.”

The explosive growth in the volume of data being stored and managed in data centers in recent years has raised a clear need to realize maximum port density in the smallest space possible.

Most existing high-density fiber solutions for data centers offer up to 72 LC duplex ports per rack unit and pose great difficulties for management. Thanks to R&M *IntelPhy* technology, Netscale delivers a density of up to 80 RFID-monitored LC duplex or MPO ports, and even 120 standard LC duplex or MPO ports per rack unit.

090.7594

Visibility.

Automated documentation.

“Thanks to R&MinteliPhy, Netscale is the first UHD platform with automated infrastructure management function.”

R&MinteliPhy technology was developed to enable our customers gaining visibility of the part of the network that has always been invisible: The physical layer.

R&MinteliPhy is an innovative RFID system that automates the tracking of network cabling, thereby ensuring the data integrity of the documentation. This Automated Infrastructure Management (AIM) solution can be retrofitted on Netscale which allows customers to gradually extend the features and functionality of their investment while managing costs.



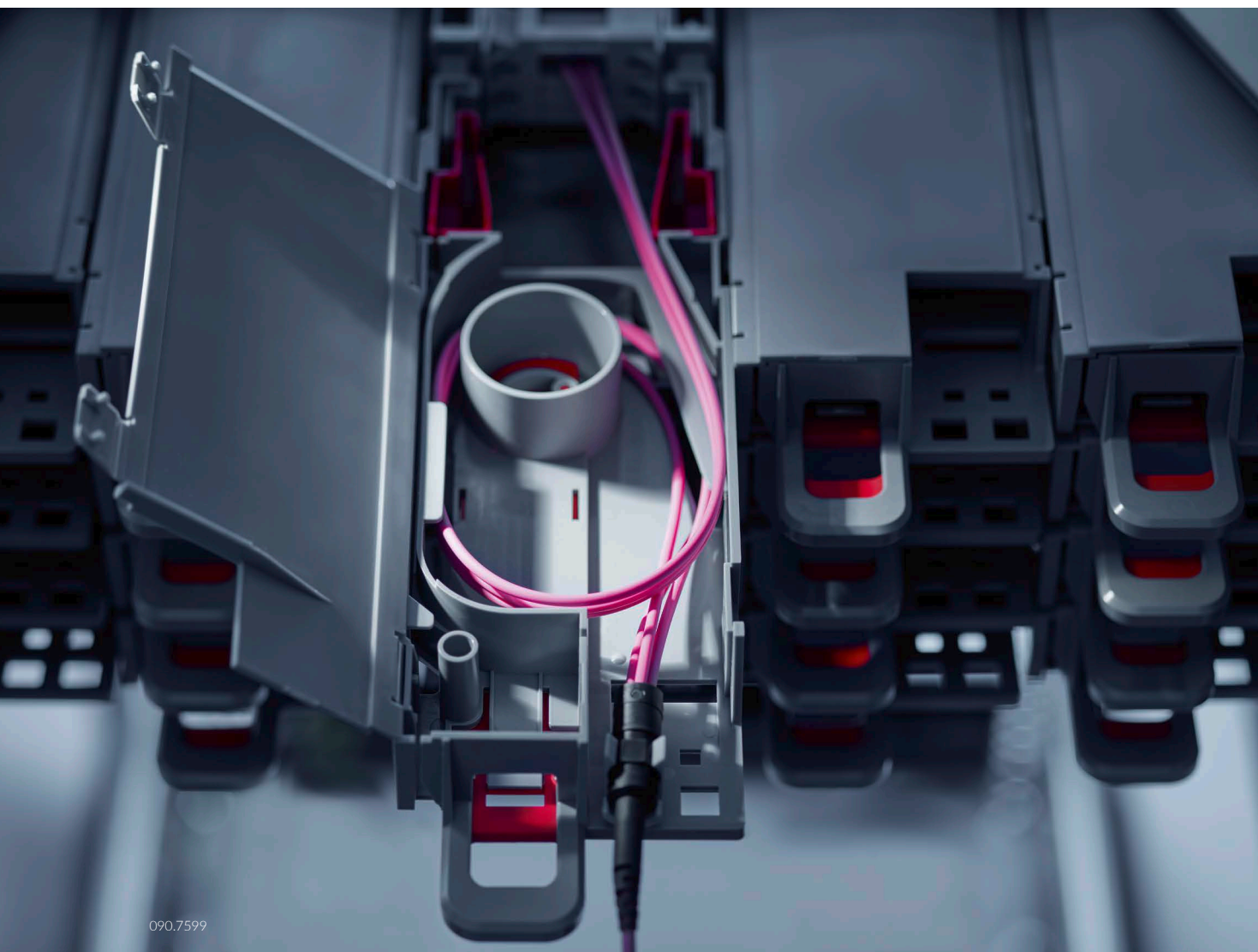
Manageability.

Unmatched cable management.

“Unmatched trunk cable management and documentation with rear-cabling manager.”

The patent-pending, innovative rear-cabling manager (RCM) ultimately makes it truly easy to install trunk cables and manage connections, alleviating risk during MACs and migrations.

The RCM for MPO and LC trunk cables comprises up to two small or one big divider receptacles at the rear which enable fast and easy installation and strain-relief of Netscale-Solutions trunk cables. It is specially designed to address both slack management and documentation of trunk cables in the back-side of the housing.



090.7599

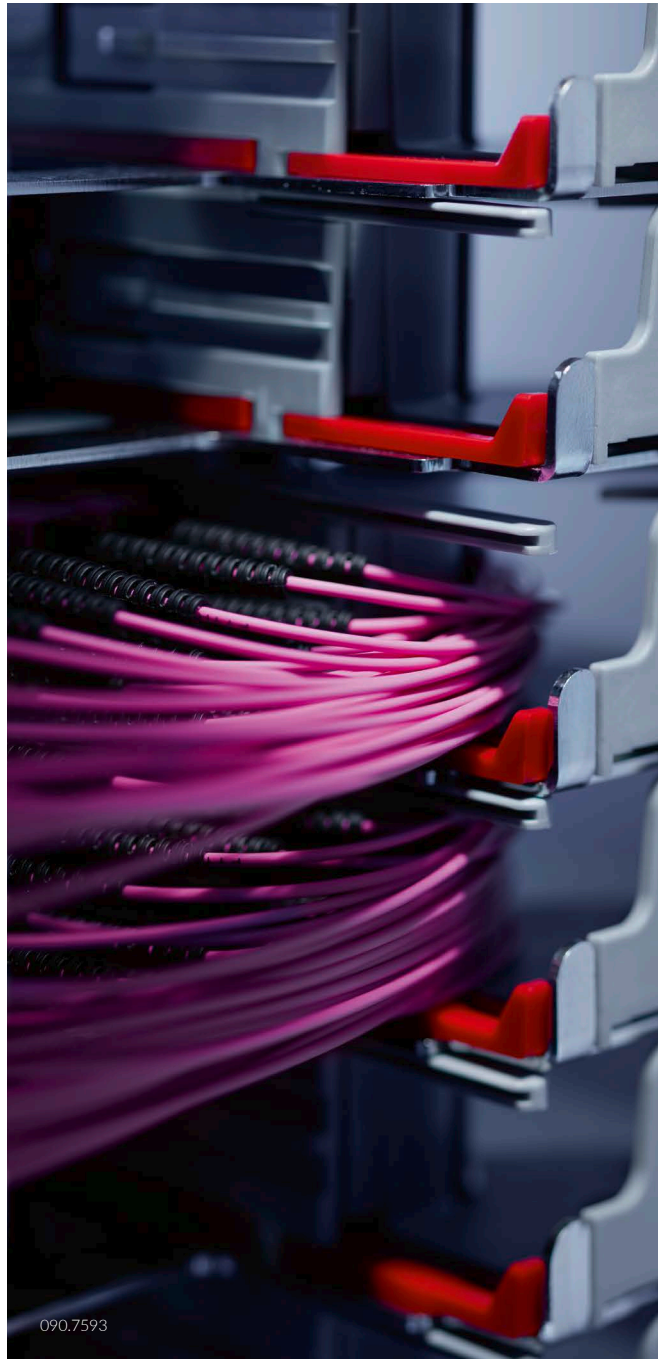
In high density environments, inserting fiber optic connectors can be very difficult – and it can be even harder to remove them. At the same time, traditional cable diameters make patch cord containment of legacy fiber solutions full to burst.

The Netscale patch cord alleviates these issues. It features an innovative push-pull design with a textured boot to ensure easy access to and removal of the connector. It also allows for quick tool-less polarity reversal.

Of special interest is the industry-leading 1.4 mm cable diameter design that enables unmatched ease of management in high density rack and panel configurations, as compared to legacy cords with diameters of 2 mm or more. And of course, it can be equipped with an R&MintelIPhy RFID-tag.

Each tray has its own integrated cable management system offering easy access to LC duplex ports when extracted from the housing.

***“We provide
connectivity that
matters.”***



For more information and products, visit
www.rdm.com





Headquarter
Reichle & De-Massari AG
Binzstrasse 32
CHE-8620 Wetzikon
+41 (0)44 933 81 11
www.rdm.com

 **R&M**



QXB

Pushing the boundaries
of optical connectivity

QXB.

Key features and advantages.

R&M's QXB connector study is all about the resolute pursuit of high performance and resilience against contamination. Without compromise. It is about reaching limits and pushing boundaries of optical connectivity.



1

High purity fused-silica lens array

2

Anti-reflection coating

3

No fiber polishing required

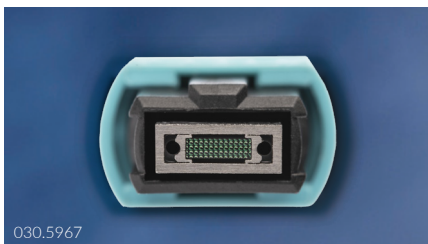
4

Less-spring force required for mating



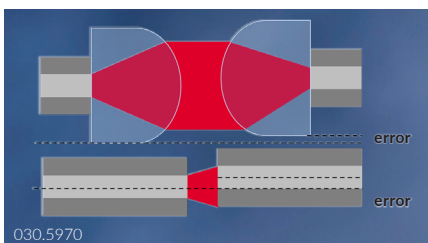
No limit to our ability to consume network bandwidth.

The German SAN experts of Data Speed Control are daily challenged with deploying fiber networks for the country's largest enterprises. To go to the limits of the technically feasible, they asked R&M to develop a new high performance connector that is significantly more insensitive to contamination and dust than other connectors.



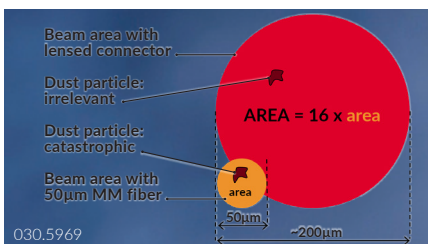
Cleaning? Not anymore.

Through beam expansion and without physical contact the QXB makes cleaning unnecessary.



Consistently low insertion loss

Beam expansion increases fault tolerance with respect to mechanical fluctuations. Conventional connectors are very sensitive to misalignment.



Decreased impact of contamination

Through beam expansion and without physical contact, the QXB eliminates the need for cleaning and visual inspection.



Low spring force required for mating

Without physical contact, the contact pressure can be kept at a constant low level regardless of the number of fibers.

QXB.

The most important benefits.

✓ Time saving

- No cleaning of lens necessary due to high purity fused-silica lens-array
- No need for visual inspection and time intensive error diagnostics

✓ Reliable

- Test results remain stable, even after several connects and disconnects
- Increased fault tolerance with respect to mechanical fluctuations
- Lower bit error rates thanks to anti reflection coating
- Same contact pressure for 12, 24 and 32 fibers

✓ Ease-of-use

- Low spring force required for mating, independently of fiber count

✓ Versatile

- 16-fold diameter for multimode
- 7-fold diameter for singlemode



We are represented by more than 100 qualified partners worldwide.
Find your local partner at: www.rdm.com

