

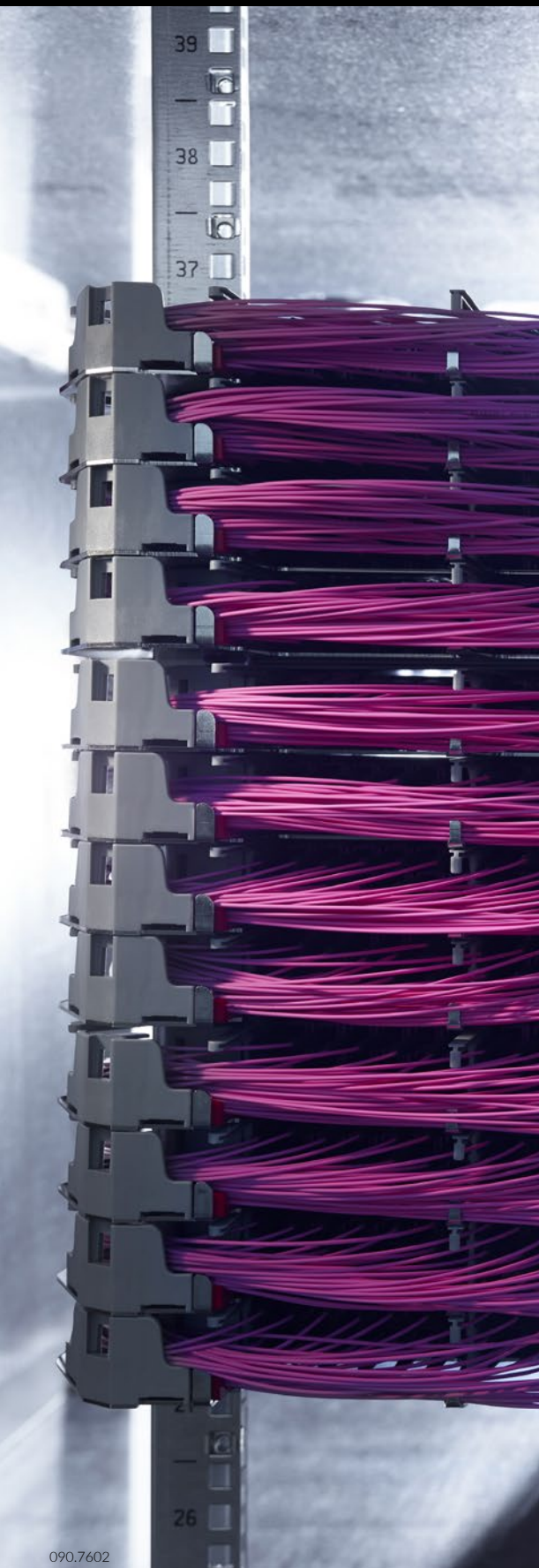
A close-up photograph of a fiber optic patch panel. The panel is dark grey or black, and several rows of fiber optic ports are visible. Each port has a red plastic cover. Numerous red fiber optic cables are plugged into the ports, and some are bundled together. The background is dark and out of focus, showing more of the patch panel and cables. A black rectangular text box is overlaid on the lower-left portion of the image.

Netscale 120 Solutions

Delivering the highest
10/40/100GbE density of
any fiber solution out there

Netscale 120 Solutions

Introduction



The next-generation

For some people it is just a mere detail behind sophisticated technologies. For R&M, fiber optic infrastructures are a promise in high performance connectivity, superior quality standards with high-end manufacturing processes, and guaranteed tested products.

«Netscale has arisen from the close analysis of customer pain points.»

R&M thinks high density is not simply about the number of ports per rack unit. Rather, user-friendly cable management and flexible modularity are the aspects that improve real-world network tasks. Modular systems should exactly be this – modular. That is why R&M has developed a patent pending polarity management method that yields minimally disruptive migration paths to parallel optics applications.

Netscale in name. Netscale in nature.

R&M Netscale 120 solutions combine unmatched fiber cable management with automated connectivity tracking and an innovative tray design to deliver the world's highest port density for 10/40/100G Ethernet.

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&MinteliPhy 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.

The innovative rear-cabling manager ultimately makes it truly easy to manage connections, alleviating risk during MACs and migrations. Its modular components and best-in-class network scalability accommodate the fact that each data center has its unique infrastructure requirements.

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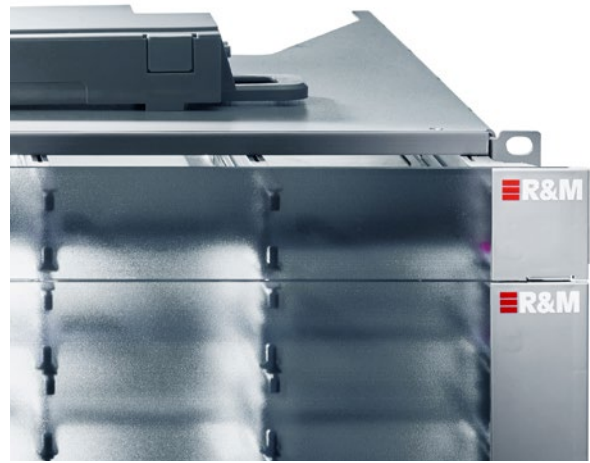
Netscale 120 Solutions

Housing

The Netscale 120 housing is mountable in 19-in racks or cabinets and provides user-friendly and flexible ultra high-density connectivity when combined with Netscale 120 modules, cassettes, harnesses, trunks and Netscale patch cords.

The elaborate design of Netscale housings includes drawers receiving modules or cassette from either the front or the rear. A fundamental design feature is the break-up of traditional RU-sizing. Netscale drawers are only 0.75RU high which allows the 3RU housing to host four of them and hence, increase the density.

The Netscale 120 housing also provides the infrastructure fundament for R&MinteliPhy, the automated infrastructure management solution.



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Ordering Information

Article Number	Description	Height Unit	Number of cassettes/modules per housing
828643	Housing for any server rack, network racks and open frames	1	5
828644	Housing for any server rack, network racks and open frames	3	20
826602	Housing for ≥800mm wide racks without air partitioning	1	5
826603	Housing for ≥800mm wide racks without air partitioning	3	20



Article Nr. 828643



Article Nr. 828644



Article Nr. 826602



Article Nr. 826603

Netscale 120 Solutions

Rear-Cabling Manager

The rear-cabling manager (RCM) for MPO and LC trunk cables is specially designed to address both slack management and documentation of trunk cables in the back-side of the Netscale 120 housing. It accepts incoming trunk cables from the back for each individual insert (either module or cassette) to improve installation times.

The RCM comprises up to two divider snap-on clips at the rear which enable fast and easy installation and strain-relief of trunk cables. It allows for the slack management of trunk legs and ensures a minimum bend radius of 20 mm. It also has a documentation area at the back to improve label visibility of trunk cables.

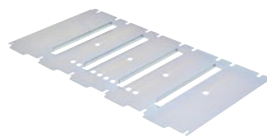
For an R&MinteliPhy adaption, it provides a separate slack management for an optional bus cable coming from the RFID-sensor system.

Ordering Information

Article Number	Description
827348	Rear-cabling manager (RCM)
815875	RCM Support Tray



Article Nr. 827348



Article Nr. 815875



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Netscale 120 Solutions

Accessories

Ordering Information

Article Number	Description
828589	Blank insert , covers empty slots within Netscale drawers
827350	Size 1 snap-on clip, 25 units
827352	Size 2 snap-on clip, 25 units
826609	1RU strain-relief bracket for accommodating four snap-on clips for trunks at rear post when RCM is not deployed
826610	3RU strain-relief bracket for accommodating 16 snap-on clips for trunks at rear post when RCM is not deployed
826607	Housing support bracket



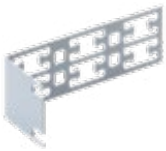
Article Nr. 828589



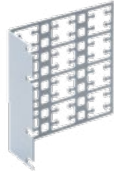
Article Nr. 827350



Article Nr. 827352



Article Nr. 826609



Article Nr. 826610



Article Nr. 826607



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Netscale 120 Solutions

LC-Duplex to MPO Modules

Netscale 120 LC-Duplex to MPO modules provide the interface between the male MPO connectors on the trunk and the LC-Duplex patch cords that will then connect directly into the transceiver modules. It can either contain 12 or 18 LC-Duplex ports. The LC-Duplex ports feature integrated laser shutters that move out of the way when the connector is inserted.

R&M's Type S+ LC-Duplex to MPO modules ensure correct fiber polarity while requiring just one type of patch cord on both ends of the link. The crossover of the fibers for duplex signal transmission takes place within the module. The connectivity diagram for the trunk cable and patch cord remains the same all the time, even for parallel transmission for setting up 40/100 GbE installations.

The system is mated key-up to key-down. Symmetric cabling according to TIA-568-C Method B for 10G, 40G and 100G, as well as 8G and 16G Fibre Channel is therefore enabled in collaboration with type B trunks. By using type A trunks, Method A is established. That means capacity can be expanded directly in an uncomplicated and inexpensive manner.

Ordering Information

Article Number	Adapter Type and Color Front	Number of ports in front	Adapter Type Back	Number of ports in Rear	Fiber Category	R&MinteliPhy compatible
867746	LC-Duplex black	12	MPO	2	OM4	No
867727	LC-Duplex black	12	MPO	2	OM4	Yes
867730	LC-Duplex black	18	MPO	3	OM4	No
867767	LC-Duplex lime green	12	MPO	2	OM5	No
867728	LC-Duplex lime green	12	MPO	2	OM5	Yes
867731	LC-Duplex lime green	18	MPO	3	OM5	No
867748	LC-Duplex blue	12	MPO	2	OS2	No
867729	LC-Duplex blue	12	MPO	2	OS2	Yes
867732	LC-Duplex blue	18	MPO	3	OS2	No

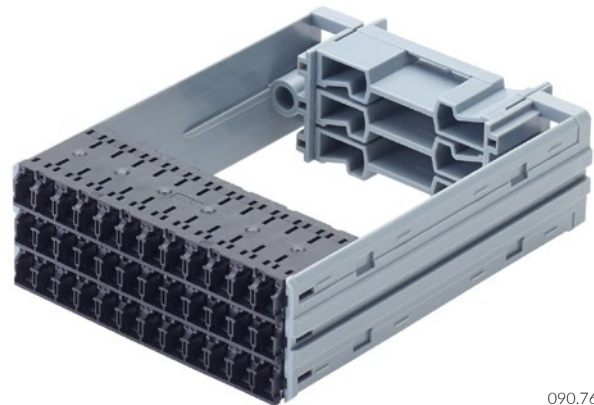
Netscale 120 Solutions

Adapter Cassettes

Netscale 120 adapter cassettes are pass-through inserts with LC-Duplex or MPO adapters. The LC or MPO trunk cables connect at the rear of the adapter cassettes. From the front side, various options are possible, ranging from LC-duplex or MPO patch cords for equipment connections over harness cables to cross-connection used in main distribution areas (MDA).

Like Netscale 120 modules, cassettes can be installed from the front or rear of any Netscale housing. Netscale adapter cassettes are available with 12 and 18 adapters for multimode and singlemode applications.

Like all Netscale inserts, the 12 port versions of the adapter cassettes can be equipped with the RFID-sensor system of R&MinteliPhy.



090.7640

Ordering Information

Article Number	Adapter Type and Color Front	Number of ports	R&MinteliPhy compatible
849830	LC-Duplex black	12	No
832187	LC-Duplex black	12	Yes
832188	LC-Duplex black	18	No
849831	LC-Duplex blue	12	No
832189	LC-Duplex blue	12	Yes
832190	LC-Duplex blue	18	No
849832	MPO black	12	No
832191	MPO black	12	Yes
832192	MPO black	18	No

Netscale Solutions

Optical Performance

Multimode

	Max. Insertion Loss Connector A (dB)	Return Loss Connector A (dB)	Max. Insertion Loss Connector B (dB)	Return Loss Connector B (dB)
MPO Trunks	0.30	≥ 35	0.30	≥ 35
Netscale Patch Cords	0.25	≥ 45	0.25	≥ 45
MPO Patch Cords	0.30	≥ 35	0.30	≥ 35
MPO-LC Fanouts	0.30	≥ 35	0.25	≥ 45
QSFP+ Conversion Cables	0.30	≥ 35	0.30	≥ 35
SFP+ Conversion Cables	0.30	≥ 35	0.25	≥ 45

Singlemode

	Max. Insertion Loss Connector A (dB)	Return Loss Connector A (dB)	Max. Insertion Loss Connector B (dB)	Return Loss Connector B (dB)
MPO Trunks	0.30	≥ 55	0.30	≥ 55
Netscale Patch Cords	0.25	≥ 45	0.25	≥ 45
MPO-LC Fanouts	0.30	≥ 55	0.25	≥ 45

Mechanical Characteristics

Fiber Count	Outer Diameter (mm)	Weight (kg/km)	Min. Bend Radius Installation (mm)	Min. Bend Radius Operation (mm)	Max. Tensile Strength Installation (N)
12	3.0	9	30	30	200
24	3.6	11	35	35	200
36	6.8	35	50	50	1000
48	6.8	40	50	50	1000
72	7.5	50	50	50	1000
96	8.5	60	50	50	1000
144	9.0	70	60	60	1000

Netscale Solutions

MPO Base-12 Trunks

MPO trunks are pre-terminated cables with one or more 12-fiber MPO connectors on both ends. Trunks are purpose made for high density backbone connections between cabinets or zones in the data center. R&M's MPO trunks conform with TIA-568 C.0 Types A or B polarity. Fast traceability is guaranteed with color coded jackets (OM5 - lime green, OM4 - heather violet, OM3 - aqua, OS2 - yellow).



Ordering Information

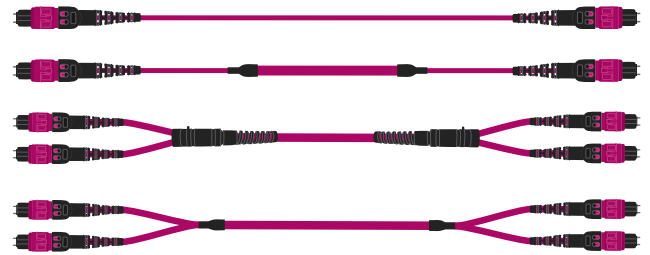
FA-	L				-				-	N	L				-				-	N	L				-				N
		1	2	3		4	5					6	7	8	9							10	11		12	13			

- 1** Choose fiber count
12 = 12 fibers
24 = 24 fibers
36 = 36 fibers
48 = 48 fibers
72 = 72 fibers
96 = 96 fibers
144 = 144 fibers
- 2** Choose fiber type
S3Y = singlemode (OS2)
M3T = multimode (OM3)
M4H = multimode (OM4)
M5L = multimode (OM5)
- 3** Choose jacket type
S = standard jacket
D = ruggedized jacket
- 4** Choose connector on end A
1M = male 12 fibers MTP
1F = female 12 fibers MTP
3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
- 5** Choose polish angle
0 if multimode PC
8 if singlemode APC
- 6** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 7** Choose grip scheme on end A
P = with grip
O = without grip
- 8** Choose connector on end B
1M = male 12 fibers MTP
1F = female 12 fibers MTP
3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
- 9** Choose polish angle
0 if multimode PC
8 if singlemode APC
- 10** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 11** Choose grip scheme on end B
P = with grip
O = without grip
- 12** Choose polarity
A = Type A
B = Type B
- 13** Choose cable length from endface to endface
1.1 - 150 m (standard jacket)
1.1 - 400 m (ruggedized jacket)

Netscale Solutions

MPO Base-8 Trunks

MPO trunks are pre-terminated cables with one or more 8-fiber MPO connectors on both ends. Trunks are purpose made for high density backbone connections between cabinets or zones in the data center. R&M's MPO trunks conform with TIA-568 C.0 Types A or B polarity. Fast traceability is guaranteed with color coded jackets (OM5 - lime green, OM4 - heather violet, OM3 - aqua, OS2 - yellow).



Ordering Information



- 1** Choose fiber count
8 = 8 fibers
24 = 24 fibers
48 = 48 fibers
72 = 72 fibers
96 = 96 fibers
- 2** Choose fiber type
S3Y = singlemode (OS2)
M3T = multimode (OM3)
M4H = multimode (OM4)
M5L = multimode (OM5)
- 3** Choose jacket type
S = standard jacket
D = ruggedized jacket
- 4** Choose connector on end A
1M = male 12 fibers MTP
1F = female 12 fibers MTP
3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
- 5** Choose polish angle
0 if multimode PC
8 if singlemode APC
- 6** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 7** Choose grip scheme on end A
P = with grip
O = without grip
- 8** Choose connector on end B
1M = male 12 fibers MTP
1F = female 12 fibers MTP
3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
- 9** Choose polish angle
0 if multimode PC
8 if singlemode APC
- 10** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 11** Choose grip scheme on end B
P = with grip
O = without grip
- 12** Choose polarity
A = Type A
B = Type B
- 13** Choose cable length from endface to endface
1.1 - 150 m (standard jacket)
1.1 - 400 m (ruggedized jacket)

Netscale Solutions

LC Trunks

LC trunks are pre-terminated cables with LC-QR uniboot connectors on both ends. Trunks are purpose made for high density backbone connections between cabinets or zones in the data center. Fast traceability is guaranteed with color coded jackets (OM5 - lime green, OM4 - heather violet, OM3 - aqua, OS2 - yellow).



Ordering Information

FA-	L				-	LU			N	M			-	LU			N	M			-	B	N
		1	2	3			4	5			6	7			8	9			10	11			12

1 Choose fiber count
 12 = 12 fibers
 24 = 24 fibers
 36 = 36 fibers
 48 = 48 fibers
 72 = 72 fibers
 96 = 96 fibers

2 Choose fiber type
 S3Y = singlemode (OS2)
 M3T = multimode (OM3)
 M4H = multimode (OM4)
 M5L = multimode (OM5)

3 Choose jacket type
 S = standard jacket
 D = ruggedized jacket

4 Choose polish angle
 0 if multimode or singlemode PC
 8 if singlemode APC

5 Choose grade for LC uniboot
 A = Grade Am if multimode
 B = Grade B if singlemode
 C = Grade C if singlemode

6 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

7 Choose grip scheme on end A
 P = with grip
 O = without grip

8 Choose polish angle
 0 if multimode or singlemode PC
 8 if singlemode APC

9 Choose grade for LC uniboot
 A = Grade Am if multimode
 B = Grade B if singlemode
 C = Grade C if singlemode

10 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

11 Choose grip scheme on end B
 P = with grip
 O = without grip

12 Choose cable length from endface to endface
 1,1 – 150 m (standard jacket)
 1,1 – 400 m (ruggedized jacket)

Netscale Solutions

LC-QR Patch Cords

The LC-QR patch cord 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.

«Netscale utilizes the LC-QR connector and smallest diameter uniboot patch cords for minimal cabling bulk.»



Ordering Information

Article Number	Product Description	Fiber Type	Length
832981	Patch Cord FO OM3 LCQU/LCQU	OM3	1 m
832982	Patch Cord FO OM3 LCQU/LCQU	OM3	2 m
832983	Patch Cord FO OM3 LCQU/LCQU	OM3	3 m
832984	Patch Cord FO OM3 LCQU/LCQU	OM3	5 m
832985	Patch Cord FO OM3 LCQU/LCQU	OM3	10 m
832986	Patch Cord FO OM4 LCQU/LCQU	OM4	1 m
832987	Patch Cord FO OM4 LCQU/LCQU	OM4	2 m
832988	Patch Cord FO OM4 LCQU/LCQU	OM4	3 m
832989	Patch Cord FO OM4 LCQU/LCQU	OM4	5 m
832990	Patch Cord FO OM4 LCQU/LCQU	OM4	10 m
841715	Patch Cord FO OM5 LCQU/LCQU	OM5	1 m
841717	Patch Cord FO OM5 LCQU/LCQU	OM5	2 m
841718	Patch Cord FO OM5 LCQU/LCQU	OM5	3 m
841719	Patch Cord FO OM5 LCQU/LCQU	OM5	5 m
841720	Patch Cord FO OM5 LCQU/LCQU	OM5	10 m
833968	Patch Cord FO G657A LCQU/LCQU	OS2	1 m
833970	Patch Cord FO G657A LCQU/LCQU	OS2	2 m
833973	Patch Cord FO G657A LCQU/LCQU	OS2	3 m
833975	Patch Cord FO G657A LCQU/LCQU	OS2	5 m
833977	Patch Cord FO G657A LCQU/LCQU	OS2	10 m

Netscale Solutions

MPO Base-12 Patch Cords

MPO patch cords are pre-terminated cables with 12 fibers for MTP/MPO connectors on both ends (recommended are female connectors). R&M's MPO patch cord conform with TIA-568 C.O types A or B polarity. Fast traceability is guaranteed with color coded jackets (OM5 - lime green, OM4 - heather violet, OM3 - aqua, OS2 - yellow).



Ordering Information

FA-	L	12		S	-		0	-	N	L	0	0	-		0	-	N	L	0	0	-	B		N
			1			2								3										4

- 1** Choose fiber type
 M3T = multimode (OM3)
 M4H = multimode (OM4)
 M5L = multimode (OM5)
 S2Y = singlemode (OS2)

- 2** 3M = male 12 fibers MPO-QR
 3F = female 12 fibers MPO-QR
 1M = male 12 fibers MTP
 1F = female 12 fibers MTP

- 3** 3M = male 12 fibers MPO-QR
 3F = female 12 fibers MPO-QR
 1M = male 12 fibers MTP
 1F = female 12 fibers MTP

- 4** Choose cable length from endface to endface
 1.1 – 150 m



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Netscale Solutions

MPO Base-8 Patch Cords

MPO patch cords are pre-terminated cables with 8 fibers for MTP/MPO connectors on both ends (recommended are female connectors). R&M's MPO patch cord conform with TIA-568 C.0 types A or B polarity. Fast traceability is guaranteed with color coded jackets (OM5 - lime green, OM4 - heather violet, OM3 - aqua, OS2 - yellow).



Ordering Information

FA-	L	8		S	B		0	-	N	L	0	0	-		0	-	N	L	0	0	-	B		N
			1			2							3										4	

- 1** Choose fiber type
M3T = multimode (OM3)
M4H = multimode (OM4)
M5L = multimode (OM5)
S2Y = singlemode (OS2)

- 2** 3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
1M = male 12 fibers MTP
1F = female 12 fibers MTP

- 4** Choose cable length from endface to endface
1.1 - 150 m

- 3** 3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
1M = male 12 fibers MTP
1F = female 12 fibers MTP



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Netscale Solutions

MPO-LC Base-12 Fanouts

MPO-LC Fanouts combine MPO connectors that can be plugged either into MPO cassettes or LC-to-MPO modules, and LC-Duplex connectors that connect directly into SFP+ transceivers. This setup can be employed as an interconnect solution for port replication on the LC-to-MPO module.



Ordering Information

FA-	L				-		0	-	N	L				-	LU	0		N	M				-	B		N
		1	2	3		4					5	6			7				8	9				10		

1 Choose fiber count
 12 = 12 fibers
 24 = 24 fibers
 36 = 36 fibers
 48 = 48 fibers
 72 = 72 fibers
 96 = 96 fibers

2 Choose fiber type
 M3T = multimode (OM3)
 M4H = multimode (OM4)
 M5L = multimode (OM5)
 S2Y = singlemode (OS2)

3 Choose jacket type
 S = standard jacket
 D = ruggedized jacket

4 Choose connector on end A
 1M = male 12 fibers MTP
 1F = female 12 fibers MTP
 3M = male 12 fibers MPO-QR
 3F = female 12 fibers MPO-QR

5 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

6 Choose grip scheme on end A
 P = with grip
 O = without grip

7 Choose grade for LC uniboot
 A = Grade Am if multimode
 B = Grade B if singlemode
 C = Grade C if singlemode

8 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

9 Choose grip scheme on end B
 P = with grip
 O = without grip

10 Choose cable length from endface to endface
 1.1 - 150 m (standard jacket)
 1.1 - 400 m (ruggedized jacket)

Netscale Solutions

MPO-LC Base-8 Fanouts

MPO-LC Fanouts combine MPO connectors that can be plugged either into MPO cassettes or LC-to-MPO modules, and LC-Duplex connectors that connect directly into SFP+ transceivers. This setup can be employed as an interconnect solution for port replication on the LC-to-MPO module.



Ordering Information

FA-	L				B		0	-	N	L				-	LU	0		N	M				-	B		N
		1	2	3		4					5	6				7			8	9					10	

1 Choose fiber count
 8 = 8 fibers
 24 = 24 fibers
 48 = 48 fibers
 72 = 72 fibers
 96 = 96 fibers

2 Choose fiber type
 M3T = multimode (OM3)
 M4H = multimode (OM4)
 M5L = multimode (OM5)
 S2Y = singlemode (OS2)

3 Choose jacket type
 S = standard jacket
 D = ruggedized jacket

4 Choose connector on end A
 1M = male 12 fibers MTP
 1F = female 12 fibers MTP
 3M = male 12 fibers MPO-QR
 3F = female 12 fibers MPO-QR

5 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

6 Choose grip scheme on end A
 P = with grip
 O = without grip

7 Choose grade for LC uniboot
 A = Grade Am if multimode
 B = Grade B if singlemode
 C = Grade C if singlemode

8 Choose staggering scheme
 05 = fanout length 0.5 m
 08 = fanout length 0.8 m
 10 = fanout length 1.0 m
 15 = fanout length 1.5 m
 S1 = Suited for RCM

9 Choose grip scheme on end B
 P = with grip
 O = without grip

10 Choose cable length from endface to endface
 1.1 - 150 m (standard jacket)
 1.1 - 400 m (ruggedized jacket)

Netscale Solutions

QSFP+ Conversion Cables

The QSFP+ conversion cable is a pre-terminated solution allowing networks to 100 % utilize MPO trunks based on 12 fibers when migrating to 40G, which uses technology based on 8 fibers (four fibers transmitting at 10G in each direction). Without this conversion, data centers running 40G parallel optics on their existing fiber backbone only use 66 percent of the installed fiber and waste a third of their invested capital.



Ordering Information

FA-	L	24			C		0	-	N	L			-		0	-	N	L			-			N
				</																				

Netscale Solutions

SFP+ Conversion Cables

SFP+ conversion cables aggregate four 10G SFP+ transceiver modules with LC-Duplex ports in a 40G QSFP+ transceiver with an MPO port.



Ordering Information

FA-	L	8		S	C		0	-	N	L			-	LU	0		N	M			-	B		N
			1			2					3	4			5			6	7			8		

- 1** Choose fiber type
M3T = multimode (OM3)
M4H = multimode (OM4)
S2Y = singlemode (OS2)
- 2** Choose connector on end A
1M = male 12 fibers MTP
1F = female 12 fibers MTP
3M = male 12 fibers MPO-QR
3F = female 12 fibers MPO-QR
- 3** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 4** Choose grip scheme on end A
P = with grip
O = without grip
- 5** Choose grade of LC-Duplex
A = Grade Am
B = Grade Bm
- 6** Choose staggering scheme
05 = fanout length 0.5 m
08 = fanout length 0.8 m
10 = fanout length 1.0 m
15 = fanout length 1.5 m
S1 = Suited for RCM
- 7** Choose grip scheme on end B
P = with grip
O = without grip
- 8** Choose polarity
A = Type A
S = Type S
- 9** Choose cable length from endface to endface
1.1 - 150 m (standard jacket)

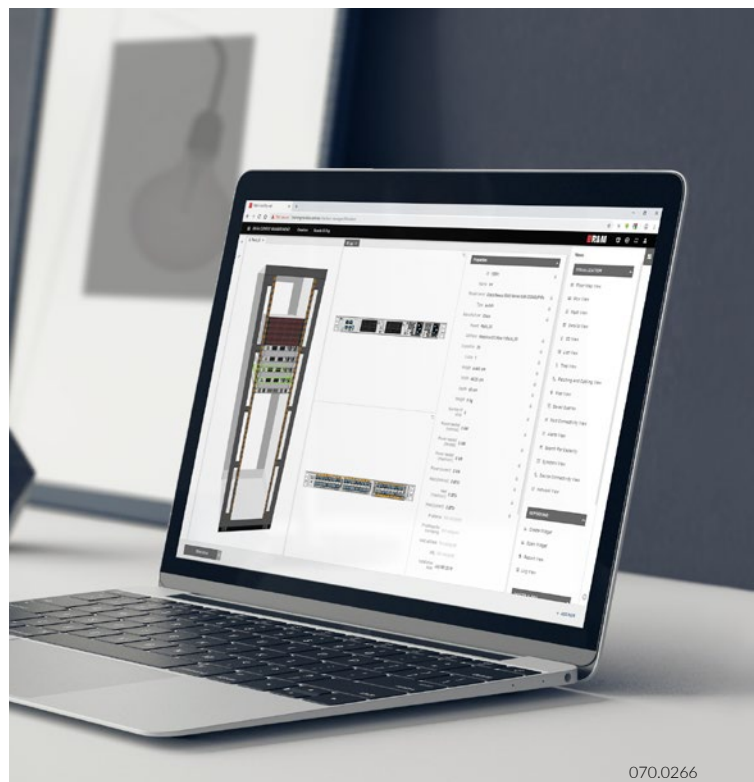
Netscale 120 Solutions

inteliPhy

R&MinteliPhy opens up a new era for IT managers. Now, they can manage their physical infrastructure intelligently and fully automatic. Notepads are things of the past, as are hard-to-manage tables. With R&MinteliPhy, data centers immediately improve the capacity utilization, profitability and availability. IT managers gain control over all ports and more. This is because R&MinteliPhy helps with analysis and documentation, with the introduction of standardized processes and with all typical management tasks associated with passive infrastructure.

For further information regarding additional hardware and the inteliPhy net software, please refer to R&MinteliPhy Quickreference.

« Capacity management is becoming an increasingly important topic for infrastructure and network managers. »



070.0266

Ordering Information

Article Number	Description
824369	Sensorbar for one individual Netscale module or cassette
824370	Control unit PCU
827357	RFID Clips for Netscale patch cords, 10 pairs



Article Nr. 824369



090.7704

Article Nr. 824370



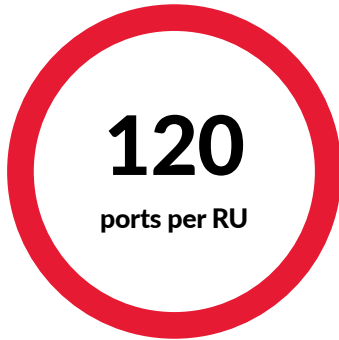
070.0266

Article Nr. 827357

Netscale 120 Solutions

In a nutshell

Enjoy the numbers



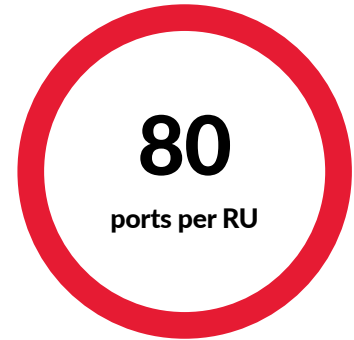
DENSITY

up to 67% higher than industry standard



MANAGEABILITY

diameter of uniboot patch cord reduces cabling bulk volume by up to 56%



VISIBILITY

can be monitored with R&M *MinteliPhy* technology

Connectivity that matters

As a global Swiss developer and provider of connectivity systems for high quality, high performance data center networks, R&M offers trusted advice and tailor-made solutions that help Infrastructure and Operation Managers delivering agile, reliable and cost-effective services for a business-oriented IT infrastructure.

Knowing that highest quality products alone are not enough to guarantee faultless operation, R&M works with you on a thorough analysis followed by a structured and forward-looking design of the physical network to provide efficient solutions.

If you are looking for trusted advice and enduring post-sales service – R&M can help.

For additional information, please visit www.rdm.com

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