

## Netscale MPO / LC Module



### Features

- Ultra-High density (up to 18 ports per module)
- Low insertion loss performance
- Type S wiring ensures easy polarity management
- Extra labeling element
- Available with G.657, OM4 or OM5 fiber
- Available with superior cable manager simplifying installation, and operation (Rear Cabling Manager RCM)
- Upgradeable with R&M *IntelPhy* (12 port version)

### Technical data

Criteria	Date / value
Rack insert component	Module fitting to Netscale family of housings
Connector type rear	
Connector type	MPO Elite female or male
Polish	APC 8° (SM), PC (MM)
Color of adapter	Black (Type A)
Connector type front	
Connector type	LC duplex
Polish	APC 8° (SM) or PC (MM)
Color of adapter	Green (SM APC), black (OM4 PC), green (OM5 PC)
Total fiber count	24 (12x LC-duplex) or 36 (18x LC-duplex)

### Mechanical characteristics

Criteria	Date / value
Material housing	Polycarbonate (PC), fiber-glass reinforced, halogen-free (UL 94 V-0)
Colors housing	Gray (RAL 7000)
Dimensions [mm]	80 x 105 x 30 (W x D x H)

### Environmental characteristics

Criteria	Date / value	Standard
Material housing	Polycarbonate (PC), fiber-glass reinforced, halogen-free (UL 94 V-0)	
Colors housing	Gray (RAL 7000)	
Dimensions [mm]	80 x 105 x 30 (W x D x H)	

### Optical performance

Optical performance	Singlemode	Multimode	Standard
Insertion loss (IL) typical value	≤ 0.15dB	≤ 0.15dB	IEC 61300-3-4 (against reference)
Insertion loss (IL) max. value	≤ 0.30dB	≤ 0.30dB	IEC 61300-3-4 (against reference)
Return loss (RL)	≥ 45dB	≥ 35dB	IEC 61300-3-6

## Ordering information

Description	Number
MPO / LC module, 12x LC-duplex, 2x MPO-12 female, OM4, Type S without Rear Cable Manager	832181
MPO / LC module, 18x LC-duplex, 3x MPO-12 female, OM4, Type S without Rear Cable Manager	832182
MPO / LC module, 12x LC-duplex, 2x MPO-12 female, OM5, Type S without Rear Cable Manager	836379
MPO / LC module, 18x LC-duplex, 3x MPO-12 female, OM5, Type S without Rear Cable Manager	836380
MPO / LC module, 12x LC-duplex, 2x MPO-12 female, singlemode, Type S without Rear Cable Manager	832183
MPO / LC module, 18x LC-duplex, 3x MPO-12 female, singlemode, Type S without Rear Cable Manager	832184