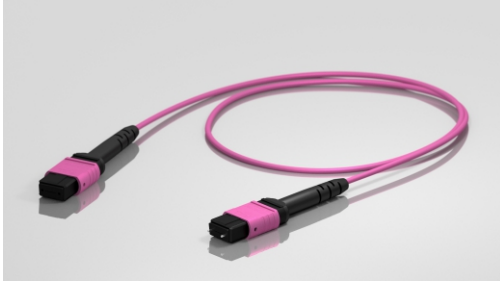




# MPO/MTP<sup>®</sup> Patch Cables

## Fiber Optic Cabling Solutions for Data Centers



SQS offers complete optical fiber solutions for data centers and other application with high connection density (up to 24 optical fibers per connector).

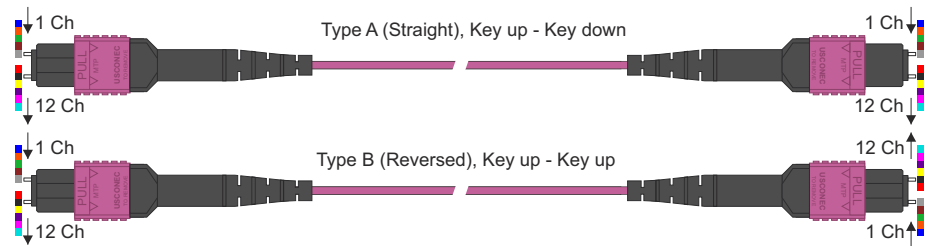
Pre-connectorized optical cables by SQS features low attenuation and long service life. Based on customer specifications SQS manufactures and supplies pre-terminated cabling tailored to customer applications.

SQS multi-fiber optical cables are terminated by USconec MTP<sup>®</sup> connectors. MTP cabling is fully compatible with MPO cabling from other manufacturers.

The SQS production of pre-terminated cabling is subject to strict output control and the products meets all corresponding IEC standards.

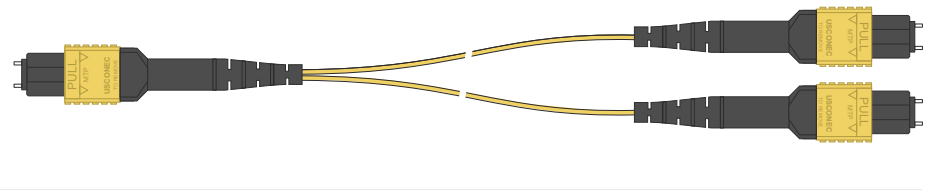
### MPO/MTP<sup>®</sup> Trunk Cables

Type A (straight) or type B (reversed)
Fiber count: 8, 12 or 24
Fiber type: OS2, OM1, OM2, OM3 or OM4
Round cable, ribbon cable, bare ribbon
Operating temperature range: -20 to +70°C
Note: Unique serial number on all connectors



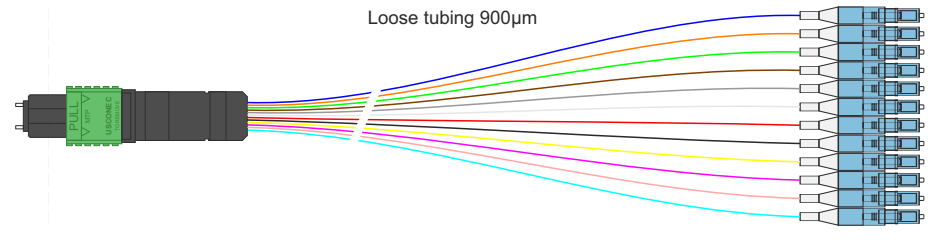
### MPO/MTP<sup>®</sup> Fan Out Cable 1x2

Straight and reversed type available
Fiber count Typically 24 to 2 x 12
Fiber type: OS2, OM1, OM2, OM3 or OM4
2x round cable 3mm
Operating temperature range: -20 to +70°C
Note: Unique serial number on all connectors



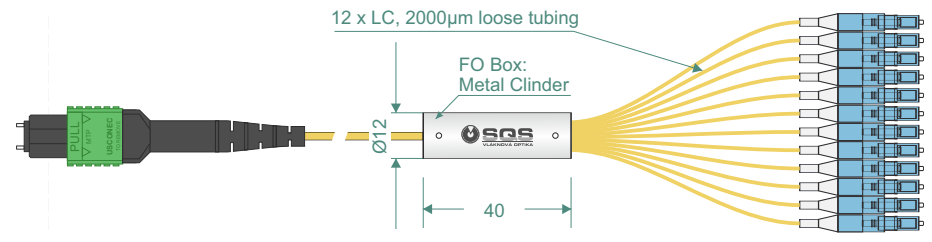
### MPO/MTP<sup>®</sup> Fiber Fan Out

Fiber count: 8 or 12
Fiber type: OS2, OM1, OM2, OM3 or OM4
Fiber Color coding: TIA-598-C or customized
Output connectors: LC, SC, F3000, E2000
Operating temperature range: -20 to +70°C
Note: Unique serial number on all connectors



### MPO/MTP<sup>®</sup> Harness Cables (Metal FO box)

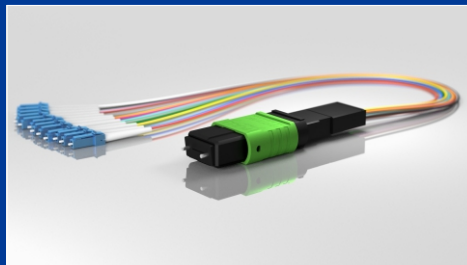
Fiber count: 8, 12 or others
Fiber type: OS2, OM1, OM2, OM3 or OM4
Input: Round cable, ribbon cable, bare ribbon
Output: Loose tube 1600µm, 2000µm
Output connectors: LC, SC, F3000, E2000
Operating temperature range: -20 to +70°C



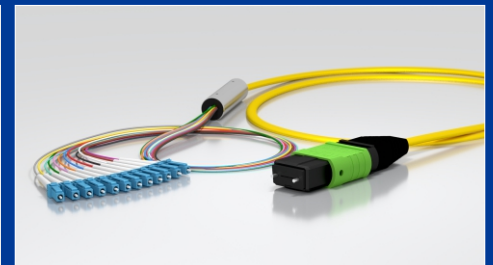
### MPO/MTP<sup>®</sup> MM Fan Out Cable Elite 1x2



### MPO/MTP<sup>®</sup> Fiber Fan Out



### MPO/MTP<sup>®</sup> Harness Cables (Metal FO box)



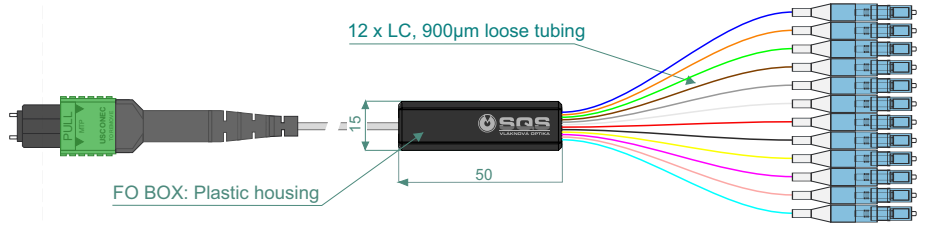


# MPO/MTP<sup>®</sup> Patch Cables

## Fiber Optic Cabling Solutions for Data Centers

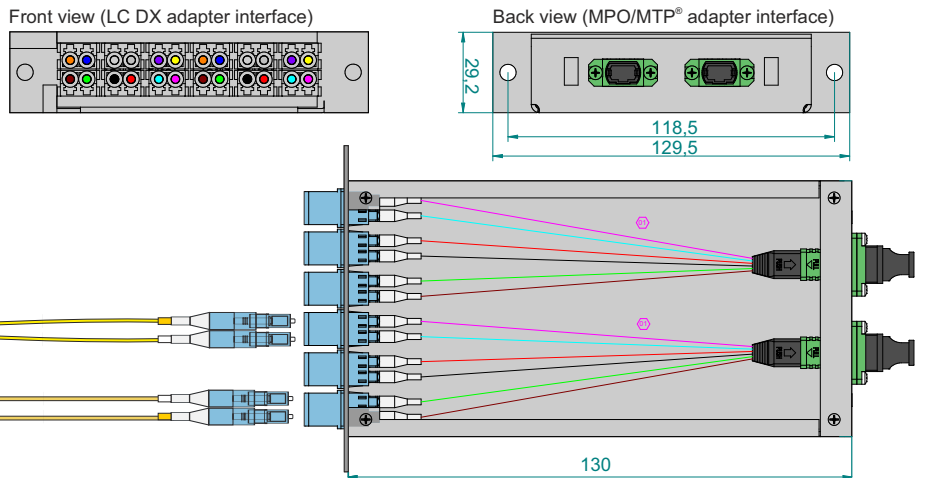
### MPO/MTP<sup>®</sup> Harness Cables (Plastic FO box)

Fiber count: 8 or 12
Fiber type: OS2, OM1, OM2, OM3 or OM4
Input: Round cable, ribbon cable, bare ribbon
Output: Loose tube 900µm or 1600/2000µm (8 fibers only)
Output connectors: LC, SC, F3000, E2000
Operating temperature range: -20 to +70°C



### MPO/MTP<sup>®</sup> LGX Cassette + LC DX Patchcord

Fiber count: 24
Fiber type: OS2, OM1, OM2, OM3 or OM4
Input interface: LC DX adapters
Output interface: MPO/MTP <sup>®</sup>
Operating temperature range: -20 to +70°C
Metal housing, black color
LC Patchcord available in version: A-to-A or A-to-B
Cable type: Duplex cable, round cable (heavy duplex)



Connector Type	MPO/MTP <sup>®</sup>				LC, SC, E2000, FC					
	Elite	Standard	Elite	Standard	Standard	Standard	High Quality	High Quality	Excellent	Excellent
Category	SM	SM	MM	MM	SM	MM	SM	MM	SM	MM
Fiber Type	SM	SM	MM	MM	SM	MM	SM	MM	SM	MM
Insertion Loss (IL <sub>Typ</sub> / IL <sub>Max</sub> ) [dB]	0.10 / 0.35 <sup>1</sup>	0.25 / 0.75 <sup>1</sup>	0.10 / 0.35 <sup>1,3</sup>	0.30 / 0.60 <sup>3</sup>	< 0.30	< 0.30 <sup>3</sup>	< 0.20	< 0.20 <sup>3</sup>	< 0.10	< 0.10 <sup>3</sup>
Return Loss (RL) 8°APC [dB]	≥ 60 <sup>2</sup>	≥ 60 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 60 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 60 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 60 <sup>2</sup>	≥ 50 <sup>2</sup>
Return Loss (RL) 0°PC [dB]	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 20 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>	≥ 50 <sup>2</sup>

<sup>1</sup> IL test according to IEC 61300-3-4

<sup>2</sup> RL test according to IEC 61300-3-6

<sup>3</sup> Tested with proposed encircled flux launch condition on 50µm fiber at 850/1300nm per IEC 61280-4-1

Cable type	SM MTP <sup>®</sup> Elite Connector	SM MTP <sup>®</sup> Standard connector	MM MTP <sup>®</sup> Elite Connector	MM MTP <sup>®</sup> Standard Connector
Ribbon				
Ribbon cable (oval)	Green Color	Green Color	Aqua Color	Aqua Color
Round cable - Indoor		—		
Round cable - Outdoor	Yellow Color	—	Magenta Color	Black Color
Round cable - Universal	—	—		
	—	—	Magenta Color	Beige Color

### MPO/MTP<sup>®</sup> - LC Fiber Optic LGX Cassette

