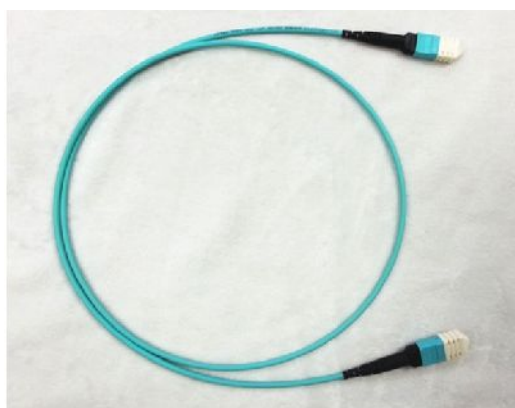


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## LS Simple™ Fast-Net™ Solution

### Fiber Pre-terminated Solution (MPO/MTP solution)

#### - MPO/MTP Trunk cable & Fan-out Cord



LS-MTC-FF-M3-12Z-010  
(Trunk Cable)



LS-MFC-FLC-M3-12Z-020  
(Fan-out Cord)

#### ➤ Description

- Optimum optical performance through high quality MT ferrules
- High-Density connection with multi-core (up to 24-core) support
- Male and Female type classification with guide pin
- Push-pull type connecting for easy & fast installation
- 40/100Gbps parallel transmission (IEEE 802.3ba) support solution
- Ferrule inspection data sheet included with all shipments
- Small form factor and high density applications

#### ➤ Specification

- Based on IEC 61754-7 MPO/MTP type connector
- Fiber types : Single-Mode & Multi-Mode type
- Insertion Loss & Return Loss is based on ANSI/TIA-568-C.3
- MPO/MTP connector insertion loss 0.35dB (low-loss)
- LC/SC connector insertion loss 0.2dB (SM), 0.3dB (MM)
- Class OF-300 channel support
- Connection polarity is based on ANSI/TIA-568-C.3
- Operating temperature : 0 °C ~ +70 °C

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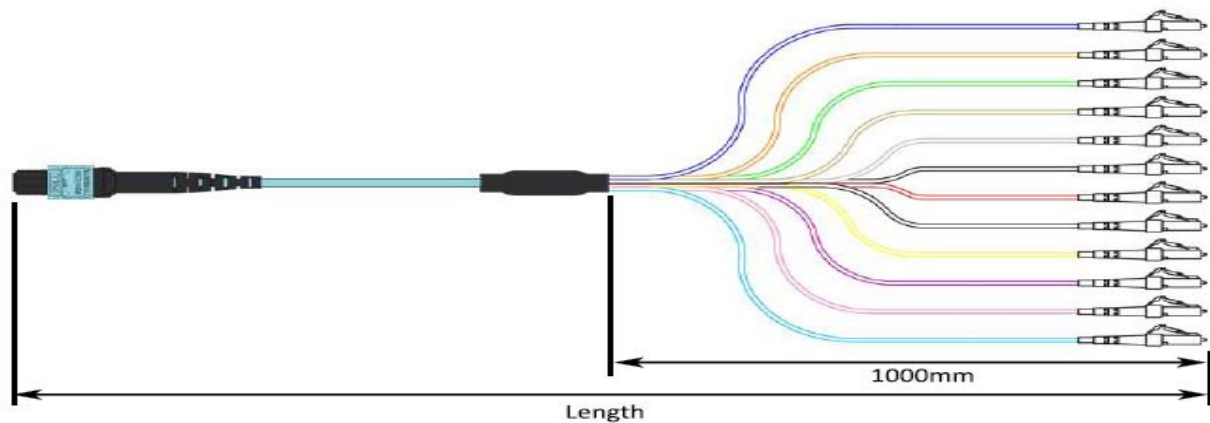
## LS Simple™ Fast-Net™ Solution

### Fiber Pre-terminated Solution (MPO/MTP solution)

#### - MPO/MTP Trunk cable & Fan-out Cord

➤ Drawing

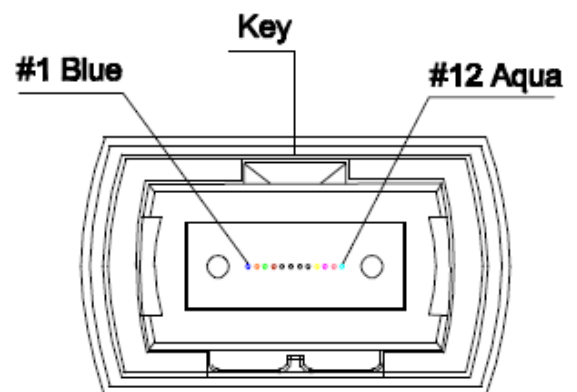
#### Fan-out Cord



1. MPO/MTP Connector : 12-core (if required, 24-core), Female
2. Round cable : 3.0mm LSZH
3. Fan-out Kit : 2.0mm metal furcation tube Fan-out Kit
4. Round cable : 2.0mm LSZH
5. LC or SC Connector

Optical Performance	Connector Type	
	LC / SC	MPO/MTP
Insertion Loss	≤ -0.3dB	≤ -0.35dB
Return Loss	> 50dB (UPC)	> 60dB (SM, APC)

1	Blue	7	Red
2	Orange	8	Black
3	Green	9	Yellow
4	Brown	10	Violet
5	Grey	11	Rose/Pink
6	White	12	Aqua



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## LS Simple™ Fast-Net™ Solution

### Fiber Pre-terminated Solution (MPO/MTP solution)

#### - MPO/MTP Trunk cable & Fan-out Cord

#### ➤ Part Number

##### Trunk Cable

Part Number	Description
LS-MTC-FF-xx-12Z-yyy	Female to Female MPO/MTP connector Trunk Cable with 12-core Micro Distri. Cable(LSZH)
LS-MTC-MF-xx-12Z-yyy	Male to Female MPO/MTP connector Trunk Cable with 12-core Micro Distri. Cable(LSZH)
LS-MTC-FF-xx-24Z-yyy	Female to Female MPO/MTP connector Trunk Cable with 24-core Micro Distri. Cable(LSZH)
LS-MTC-MF-xx-24Z-yyy	Male to Female MPO/MTP connector Trunk Cable with 24-core Micro Distri. Cable(LSZH)

\* xx denotes fiber mode : SM (Single-mode), M3 (OM3), M4 (OM4) etc.

\* yyy denotes length : 030 (3m), 050 (5m), 100 (10m) etc.

##### Fan-out Cord

Part Number	Description
LS-MFC-FSC-xx-12Z-yyy	Female MPO/MTP to 12-core SC connector Fan-out Cord(LSZH)
LS-MFC-FLC-xx-12Z-yyy	Female MPO/MTP to 12-core LC connector Fan-out Cord(LSZH)
LS-MFC-MSC-xx-12Z-yyy	Male MPO/MTP to 12-core SC connector Fan-out Cord(LSZH)
LS-MFC-MLC-xx-12Z-yyy	Male MPO/MTP to 12-core LC connector Fan-out Cord(LSZH)
LS-MFC-FSC-xx-24Z-yyy	Female MPO/MTP to 24-core SC connector Fan-out Cord(LSZH)
LS-MFC-FLC-xx-24Z-yyy	Female MPO/MTP to 24-core LC connector Fan-out Cord(LSZH)
LS-MFC-MSC-xx-24Z-yyy	Male MPO/MTP to 24-core SC connector Fan-out Cord(LSZH)
LS-MFC-MLC-xx-24Z-yyy	Male MPO/MTP to 24-core LC connector Fan-out Cord(LSZH)

\* xx denotes fiber mode : SM (Single-mode), M3 (OM3), M4 (OM4) etc.

\* yyy denotes length : 030 (3m), 050 (5m), 100 (10m) etc.