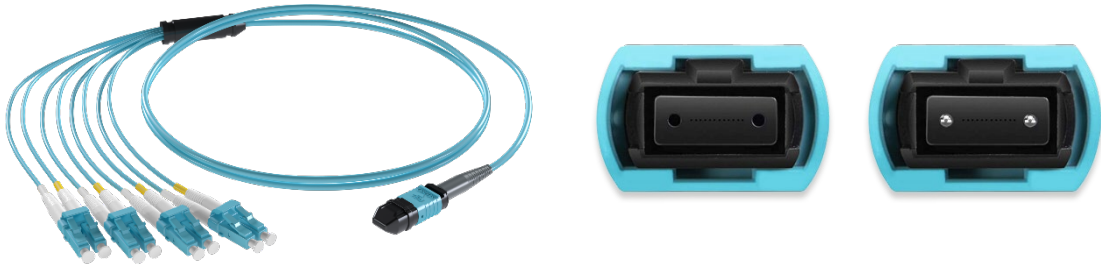


MPO8 Harnesses

MPO8 to LC, 8 Fibers, 3.0mm



Description

The MTP®/MPO Harness Cable Assemblies are pre-terminated 8 fibers cable assemblies that allow for standards-compliant migration from duplex based applications (e.g. 10G Ethernet) to parallel optics based applications (e.g. 40/100G Ethernet). As well as to connect to a SAN switch or storage array at 8/16/32G speeds.

Features

- Choosing between male and female connectors.
- Available in assignment variants polarity A or B
- 100% tested for Insertion loss, Return Loss and end face geometry
- Provided with serial number, barcode
- All available variants can be created with the MPO configurator
- MPO Plus® is a registered trademark SENKO Advanced Components Ltd., JAPAN
- Meets and exceeds Telcordia GR-326/GR-1435
- IEC 61754-7 / TIA 604-5

Applications

- Telecommunication network
- Data communication network
- Enterprise network
- Intrabuilding backbone
- Artificial intelligence (AI)
- Cloud computing
- Broadcasting
- Medical imaging
- High performance computing (HPC)
- 40G to 4x10G
- 100G to 4x25G
- 400G to 4x100G

MPO8 Harnesses

MPO8 to LC, 8 Fibers, 3.0mm

Construction

Parameter			Value
Cable Construction	Number of fibers		8 Fibers
	Fiber type	OS2	Eg/125 low bend
		OM3	G50/125-OM3 low bend (IEC 60793-2-10 A1a.2)
		OM4	G50/125-OM4 low bend (IEC 60793-2-10 A1a.3)
		OM5	G50/125-OM5 low bend (IEC 60793-2-10 A1a.4)
	Cable type		3.0mm Indoor round cable
	Cable Jacket color	OS2	Yellow
		OM3	Aqua
		OM4	Heather Violet
		OM5	Lime Green
	Cable Jacket ratings		LSZH(Low Smoke Zero Halogen) OFNR-LSZH OFNP
Connector Types	End 'A' MPO Female / MPO Male		Multimode MPO connectors are UPC Single mode MPO connectors are APC
	End 'B' LC Duplex		Multimode LC connectors are UPC Single mode LC connectors are UPC

Optical properties

Parameter			Value
MPO Connector Optical Performance	Insertion Loss IEC61300-3-4	Single mode	$\leq 0.50\text{dB(Standard)}$ $\leq 0.30\text{dB(Low-Loss)}$
		Multimode	$\leq 0.50\text{dB(Standard)}$ $\leq 0.30\text{dB(Low-Loss)}$
	Return Loss IEC61300-3-6	Single mode	$\geq 60\text{dB(APC)}$
		Multimode	$\geq 25\text{dB(UPC)}$
LC Connector Optical Performance	Insertion Loss IEC61300-3-4	Single mode	$\leq 0.20\text{dB}$
		Multimode	$\leq 0.20\text{dB}$
	Return Loss IEC61300-3-6	Single mode	$\geq 50\text{dB(UPC)}$
		Multimode	$\geq 25\text{dB(UPC)}$
Cable Attenuation	Single mode / OS2		$\leq 1.0\text{dB/km at }1310/1550\text{nm}$
	Multimode / OM3, OM4, OM5		$\leq 3.0\text{dB/km at }850\text{nm}$ $\leq 1.0\text{dB/km at }1300\text{nm}$

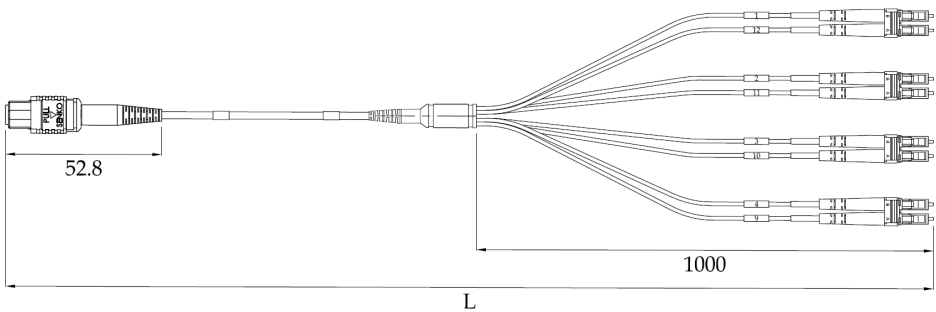
MPO8 Harnesses

MPO8 to LC, 8 Fibers, 3.0mm

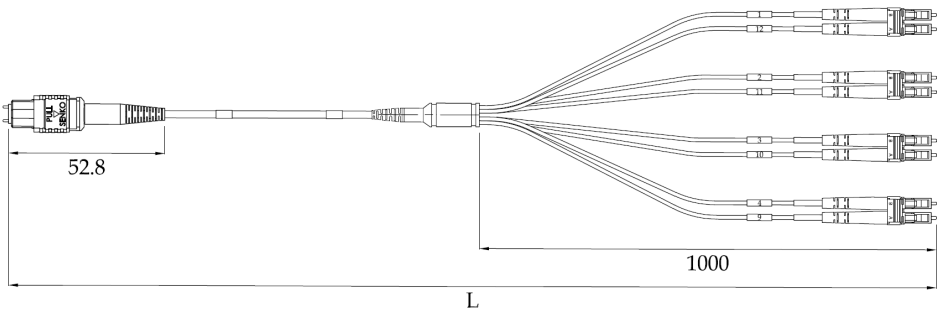
Environmental properties

Parameter		Value
Temperature	Storage Temp.	-40℃ to +70℃
	Installation Temp.	-10℃ to +60℃
	Operating Temp.	-10℃ to +70℃

Drawing



< Female MPO8 to LC, 8 Fibers, 3.0mm >



< Male MPO8 to LC, 8 Fibers, 3.0mm >

MPO8 Harnesses

MPO8 to LC, 8 Fibers, 3.0mm

Ordering information

Part number	Description of Products	Remark
MHC-MPO-FLC-OM3-B8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM3-Base-8 -YYYY-XXX-Type B, Low-Loss	Low-Loss
MHC-MPO-FLC-OM4-B8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM4-Base-8 -YYYY-XXX-Type B, Low-Loss	
MHC-MPO-FLC-OM5-B8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM5-Base-8 -YYYY-XXX-Type B, Low-Loss	
MHC-MPO-FLC-SM-B8Y-B-XXX	MPO Harness Cord, Female MPO to LC-SM-Base-8 -YYYY-XXX-Type B, Low-Loss	
MHC-MPO-MLC-OM3-B8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM3-Base-8 -YYYY-XXX-Type B, Low-Loss	Low-Loss
MHC-MPO-MLC-OM4-B8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM4-Base-8 -YYYY-XXX-Type B, Low-Loss	
MHC-MPO-MLC-OM5-B8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM5-Base-8 -YYYY-XXX-Type B, Low-Loss	
MHC-MPO-MLC-SM-B8Y-B-XXX	MPO Harness Cord, Male MPO to LC-SM-Base-8 -YYYY-XXX-Type B, Low-Loss	

Part number	Description of Products	Remark
MHC-MPO-FLC-OM3-SB8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM3-Base-8 -YYYY-XXX-Type B, Std Loss	Std Loss
MHC-MPO-FLC-OM4-SB8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM4-Base-8 -YYYY-XXX-Type B, Std Loss	
MHC-MPO-FLC-OM5-SB8Y-B-XXX	MPO Harness Cord, Female MPO to LC-OM5-Base-8 -YYYY-XXX-Type B, Std Loss	
MHC-MPO-FLC-SM-SB8Y-B-XXX	MPO Harness Cord, Female MPO to LC-SM-Base-8 -YYYY-XXX-Type B, Std Loss	
MHC-MPO-MLC-OM3-SB8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM3-Base-8 -YYYY-XXX-Type B, Std Loss	Std Loss
MHC-MPO-MLC-OM4-SB8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM4-Base-8 -YYYY-XXX-Type B, Std Loss	
MHC-MPO-MLC-OM5-SB8Y-B-XXX	MPO Harness Cord, Male MPO to LC-OM5-Base-8 -YYYY-XXX-Type B, Std Loss	
MHC-MPO-MLC-SM-SB8Y-B-XXX	MPO Harness Cord, Male MPO to LC-SM-Base-8 -YYYY-XXX-Type B, Std Loss	

- Y Cable Jacket ratings : Z(LSZH), R(OFNR-LSZH), P(OFNP)
- XXX Cable length : 003 (3m), 005 (5m), 010 (10m)