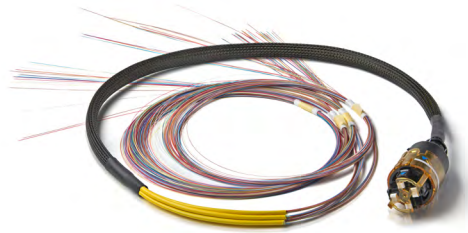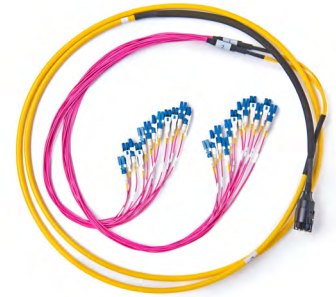SUMITOMO ELECTRIC
LIGHTWAVE

SWK™ Cable Assemblies

Today's connected network infrastructure faces unprecedented demands from cloud and hyperscale growth and their extraordinary connectivity requirements. Our revolutionary SWK™ cabling infrastructure products are designed specifically to provide high-density and low-loss connectivity, ease of installation and operability, low-cost deployment, and flexibility for growth and scale.

SWK™ Jumper Cable: SWK™ to SWK™

SWK™ Pigtail Cable: SWK™ to Field-Terminated (utilizing ribbon fiber)

SWK™ Fanout Cable: SWK™ to LC Connecter (Available in MPO 8s & 12s)

QUICK SPECS

| **SM** | **48-144f** | **<0.35dB** | **>55dB** |
| FIBER TYPE | FIBER CAPACITY | INSERTION LOSS | RETURN LOSS |

BENEFITS

Our innovative line of SWK™ cable assemblies help you maximize and future-proof your network infrastructure projects. Available preconnectorized or field terminated, SWK™ Jumper, Fanout, and Pigtail Cables can be directly connected or spliced on to any existing infrastructure or device connector type. This flexibility provides you with the highest capacity connectivity solution available on the market today coupled with never-before-seen usability.

FEATURES

- Highest Density Connectivity Footprint
- Lowest-Loss Attenuation
- Self-Cleaning and Self-Protecting Connection
- Quick Change Polarity (QCP) - no disassembly required
- Universally Adaptable to any Connector or Device Type
- Fully Customizable and Built to Your Exact Length Specifications

To learn more information visit **www.SumitomoElectricLightwave.com**

SPECIFICATIONS

SWK™ Jumper Cables

Pre-terminated SWK™ to SWK™ Connector Cables that are fully customizable and built to your exact quantity, color, and length specifications.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC) to MPO (APC)
Wave Length	1310/1550 nm
Optical Fiber Type	Single-mode fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO)
Return Loss Min.	55dB per each connection point

SWK™ Fanout Cables

Splice on SWK™ Connector Cables utilizing ribbonized or single-strand fiber that can be directly terminated to any field cables.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC) to
Wave Length	1310/1550 nm
Optical Fiber Type	Single-mode fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO)
Return Loss Min.	55dB per each connection point

SWK™ Pigtail Cables

Pre-terminated SWK™ Connector to any standard connector type cables that are fully customizable to meet your specific requirements.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC) to LC (UPC)
Wave Length	1310/1550 nm
Optical Fiber Type	Single-mode fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO); Max. 0.25dB (LC)
Return Loss Min.	55dB per each connection point

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

SW - 11122 - 33 - 444 - 55556666 - 7777

1 - FIBER QUANTITY		2 - CABLE TYPE		3 - FIBER TYPE		4 - JACKET TYPE	
48	48-Fiber Count	JT	Jumper Trunk	SM	Single-mode	INP	Indoor Plenum
96	96-Fiber Count	FO	Fanout				
144	144-Fiber Count	PT	Pigtail				
		ST	Super Trunk				

5 - F/O CONN. TYPE		6 - F/O CONN. TYPE		7 - LENGTH	
SWLF	SWK™ Female	SWLF	SWK™ Female	001M	1 Meter
		ULCU	Uniboot LC UPC	003M	3 Meters
		MPF8	MPO 8 Female		
		MPF12	MPO 12 Female		
		O	Ribbon Fiber		

*Custom fiber counts, connector types, colors (connector, jacket, and buffer tubes), and cable lengths available upon request.
**Select connector code based on the type of adapter used at the patch panel and the electronic interface connector.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	TYPE	GRADE
SWK™ CABLE ASSEMLIES - JUMPERS			
SW-24ST-SM-INP-SWLFSWLF-001M	SWK-L 24f SMF Connector, Pre-terminated Patch Cable, 1 meter	SMF	OFNP
SW-48ST-SM-INP-SWLFSWLF-001M	SWK-L 48f SMF Connector Pre-terminated Patch Cable, 1 meter	SMF	OFNP
SW-96ST-SM-INP-SWLFSWLF-001M	SWK-L 96f SMF Connector Pre-terminated Patch Cable, 1 meter	SMF	OFNP
SW-144ST-SM-INP-SWLFSWLF-001M	SWK-L 144f SMF Connector Pre-terminated Patch Cable, 1 meter	SMF	OFNP
SW-192ST-SM-INP-SWLFSWLF-001M	SWK-L 192f SMF Connector Pre-terminated Patch Cable, 1 meter	SMF	OFNP
SWK™ CABLE ASSEMLIES -FANOUTS			
SW-48FO-SM-INP-SWLFULCU-003M	SWK-L 48f SMF Fanout Cable, SWK 48f - 24 x LC, 3 meters	SMF	OFNP
SW-48FO-SM-INP-SWLFMPF8-003M	SWK-L 48f SMF Fanout Cable, SWK 48f - 6 x MPO8 Female, 3 meters	SMF	OFNP
SW-48FO-SM-INP-SWLFMPF12-003M	SWK-L 48f SMF Fanout Cable, SWK 48f - 4 x MPO12 Female, 3 meters	SMF	OFNP
SW-96FO-SM-INP-SWLFULCU-003M	SWK-L 96f SMF Fanout Cable, SWK 96f - 48 x LC, 3 meters	SMF	OFNP
SW-96FO-SM-INP-SWLFMPF8-003M	SWK-L 96f SMF Fanout Cable, SWK 96f - 12 x MPO8 Female, 3 meters	SMF	OFNP
SW-96FO-SM-INP-SWLFMPF12-003M	SWK-L 96f SMF Fanout Cable, SWK 96f - 8 x MPO12 Female, 3 meters	SMF	OFNP
SW-144FO-SM-INP-SWLFULCU-003M	SWK-L 144f SMF Fanout Cable, SWK 144f - 72 x LC, 3 meters	SMF	OFNP
SW-144FO-SM-INP-SWLFMPF8-003M	SWK-L 144f SMF Fanout Cable, SWK 144f - 18 x MPO8 Female, 3 meters	SMF	OFNP
SW-144FO-SM-INP-SWLFMPF12-003M	SWK-L 144f SMF Fanout Cable, SWK 144f - 12 x MPO12 Female, 3 meters	SMF	OFNP
SWK™ CABLE ASSEMLIES - FANOUTS			
SW-24PT-SM-INP-SWLF0-003M	SWK-L 24f SMF Connector, Pre-stubbed Pigtail, 2 x 12f Ribbon Fibers, 3 meters	SMF	OFNP
SW-48PT-SM-INP-SWLF0-003M	SWK-L 48f SMF Connector Pre-stubbed Pigtail, 4 x 12f Ribbon Fibers, 3 meters	SMF	OFNP
SW-96PT-SM-INP-SWLF0-003M	SWK-L 96f SMF Connector Pre-stubbed Pigtail, 8 x 12f Ribbon Fibers, 3 meters	SMF	OFNP
SW-144PT-SM-INP-SWLF0-003M	SWK-L 144f SMF Connector Pre-stubbed Pigtail, 12 x 12f Ribbon Fibers, 3 meters	SMF	OFNP
SW-192PT-SM-INP-SWLF0-003M	SWK-L 192f SMF Connector Pre-stubbed Pigtail, 16 x 12f Ribbon Fibers, 3 meters	SMF	OFNP