

## SWK™ CONNECTOR

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 manageability, low-cost deployment and operations, and flexibility for growth and scale.



### BENEFITS

The revolutionary SWK™ Connector by Swick™ Designs is a game changer. This groundbreaking fiber optics connector delivers the highest strand capacity in the smallest form factor at the lowest loss attenuation. Some call it the perfect solution: the SWK™ Connector is self-cleaning and self-protecting, with features that bring levels of efficiency and flexibility never before seen in the industry.

### FEATURES

- Highest Capacity Fiber Optics Connector
- Lowest Loss Attenuation
- Self-Cleaning, Self-Protecting Shield Shroud
- Quick Change Polarity (QCP) - no disassembly required
- Extending Reach-and-Release Handle

### QUICK SPECS

**SM**  
FIBER TYPE

**48-144f**  
FIBER CAPACITY

**<0.35dB**  
INSERTION LOSS

**>55dB**  
RETURN LOSS

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)

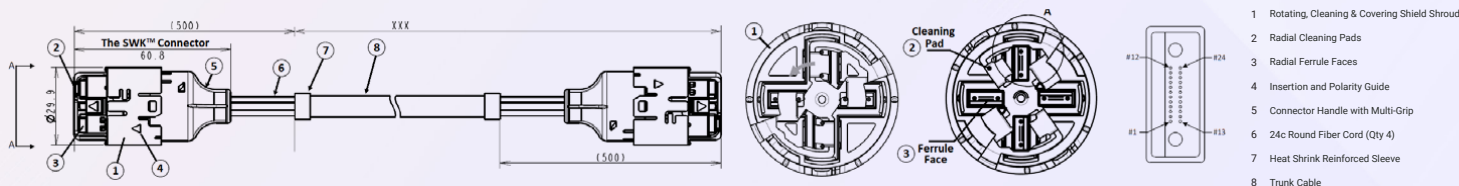
## PRODUCT CONSTRUCTION

PROPERTY	SPECIFICATION
Number of Optical Fibers	96f strands. 48f, 96f and 144f strand configurations also available
Types of Optical Fibers	Single mode (OS2, ITU-T G654.D, G.657. A1 compliant) or multimode*
Cable Sheath	OFNP rated, OD: 9.0 mm (±10%), and LSZH (available upon request)
Cord Sheath	OFNP rated, OD: 3.0 mm, and LSZH (available upon request)
Cable Bend Radius	Installation: 180 mm. Operation: 90mm
Cord Bend Radius	Bend Radius Bend radius of 24c fiber round cord: 25 mm
Cable Weight	60 kg/km

## PRODUCT CONSTRUCTION

PROPERTY	SPECIFICATION
Connector Type	SWK™ 96f and 144f Strand
Optical Fiber Type	Single mode
Insertion Loss @ 1310nm	< 0.35dB
Return Loss @ 1310nm	> 55dB
Temperature Range	Connector: -40 to 70°C / Cable: -20 to 70°C

## 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	
<b>48</b>	48 Fiber Count	<b>JT</b>	Jumper Trunk	<b>SM</b>	Single Mode	<b>INP</b>	Indoor Plenum
<b>96</b>	96 Fiber Count	<b>FO</b>	Fan Out				
<b>144</b>	144 Fiber Count	<b>PT</b>	Pig Tail				
		<b>ST</b>	Super Trunk				

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

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)