

Pigtail & Patch Cord

Multimode
SC LC APC
CORNING FIBER

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FC FTTx Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.5dB
Return Loss	≥ 45dB (PC) ≥ 50dB (UPC) ≥ 60dB (APC)	≥20 dB
Repeatability	≤0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 mating	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

SC FTTx Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.5dB
Return Loss	≥ 45dB (PC) ≥ 50dB (UPC) ≥ 60dB (APC)	≥20 dB
Repeatability	≤0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 mating	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

LC FTTx Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.5\text{dB}$
Return Loss	$\geq 45\text{dB}$ (PC) $\geq 50\text{dB}$ (UPC) $\geq 60\text{dB}$ (APC)	$\geq 20\text{ dB}$
Repeatability	≤ 0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	$\leq 0.2\text{dB}$ typical change, 1000 mating	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$> 10\text{kg.}$	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

OM4 LC Optic Pigtail/Patch cord connector multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.5\text{dB}$
Return Loss	$\geq 45\text{dB}$ (PC) $\geq 50\text{dB}$ (UPC) $\geq 60\text{dB}$ (APC)	$\geq 20\text{ dB}$
Repeatability	≤ 0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	$\leq 0.2\text{dB}$ typical change, 1000 mating	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$> 10\text{kg.}$	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

OM3 MM Pigtail/Patch cord connector
/multimode Duplex



Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.5dB
Return Loss	≥ 45dB (PC) ≥ 50dB (UPC) ≥ 60dB (APC)	≥ 20 dB
Repeatability	≤ 0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	≤ 0.2dB typical change, 1000 mating	
Interchangeability	≤ 0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

Multimode Conditional Patch Cord



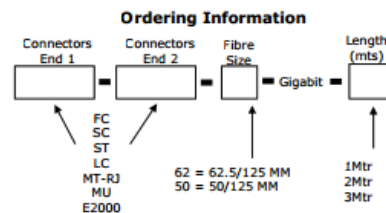
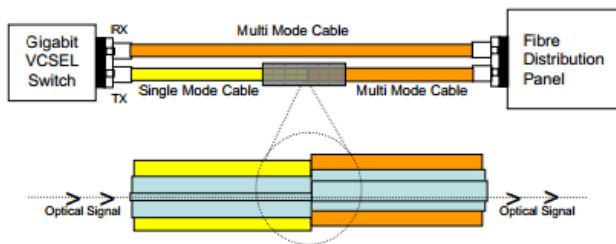
Description	62.5μm MMF	50μm MMF
Operating Wavelength	1310nm	
Max. Insertion Loss	0.5dB	
Couple Power Ratio (CPR)	28 to 40dB	12 to 20dB
Back Reflection	S/M Channel = 30dB M/M Channel = 20dB	
Connector	PC or APC	
Ferrule Geometry	Radius of Curvature: 10 to 25mm	
Fiber Height	-50 to 50nm	
Max. Angular Offset	1°	
Sheath Color	Orange (Yellow for SM leg)	



9/125

50/125 or 62.5/125

<p>Connector Available Types: FC, FC/APC, ST, SC, SC/APC, MT-RJ, MU Length: 2000mm +/- mm Other lengths are available to order</p>	<p>Temperature Cycling (IEC874- 1 sec. 4.5.22) -40 to +75°C, 40 cycles = 0.2db change</p>
<p>Intermate ability Optically and mechanically compatible with all equivalent connectors. Compliant with IEC 874-14</p>	<p>High Temperature (IEC 874-1 sec. 4.5.18) 75°C for 96 hours = 0.2dB change</p>
<p>Product Packaging Each Patch Cord is packaged individually and identified for trace ability; test certification is supplied for each assembly</p>	<p>Damp Heat: (IEC 874-1 sec. 4.5.19) 60°C at 95% RH, 96 hours =0.3dB change</p>
<p>For full information on the optronic connectors used on the FibreFab patch cords, please contact the address below for a connector data sheet.</p>	<p>Vibration (Mate Pair) (IEC 874-1 sec. 4.5.1) 10-55 Hz, 1.5mm p to pp =0.3dB change</p>
	<p>Mating Durability (IEC 874-1 sec. 4.5.32) 1000 mating cycles Clean every 25 < 0.2dB change</p>
	<p>Operating Temperature -40°C to +85°C</p>



SC/APC FTTx Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.2dB
Return Loss	≥ 60dB (APC)	
Repeatability	≤0.1	
Transmission performance	1310 / 1550/ 1625 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 mating	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

LC/APC Optic Pigtail/Patch cord connector single mode/multimode

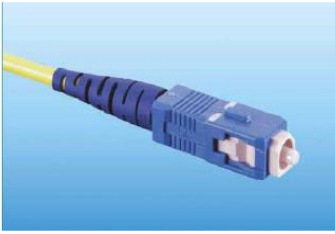
Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.2dB
Return Loss	≥ 60dB (APC)	
Repeatability	≤0.1	
Transmission performance	1310 / 1550/ 1625 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 mating	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

FC/UPC Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	≤ 0.2dB	≤ 0.2dB
Return Loss	≥ 45dB (PC) ≥ 50dB (UPC) ≥ 60dB (APC)	≥20 dB
Repeatability	≤0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 mating	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

SC/UPC Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$
Return Loss	$\geq 45\text{dB (PC)}$ $\geq 50\text{dB (UPC)}$ $\geq 60\text{dB (APC)}$	$\geq 20\text{ dB}$
Repeatability	≤ 0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	$\leq 0.2\text{dB}$ typical change, 1000 mating	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$> 10\text{kg.}$	
Operating Temperature	-40 to + 85°C	-40 to + 85°C

LC/UPC FTTh Optic Pigtail/Patch cord connector single mode/multimode



Specification	Single-Mode	Multi-Mode
Insertion Loss	$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$
Return Loss	$\geq 45\text{dB (PC)}$ $\geq 50\text{dB (UPC)}$ $\geq 60\text{dB (APC)}$	$\geq 20\text{ dB}$
Repeatability	≤ 0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	$\leq 0.2\text{dB}$ typical change, 1000 mating	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$> 10\text{kg.}$	
Operating Temperature	-40 to + 85°C	-40 to + 85°C