wirewerks

Product Data Sheet

Fiber Optic Patch Cords & Pigtails

Description

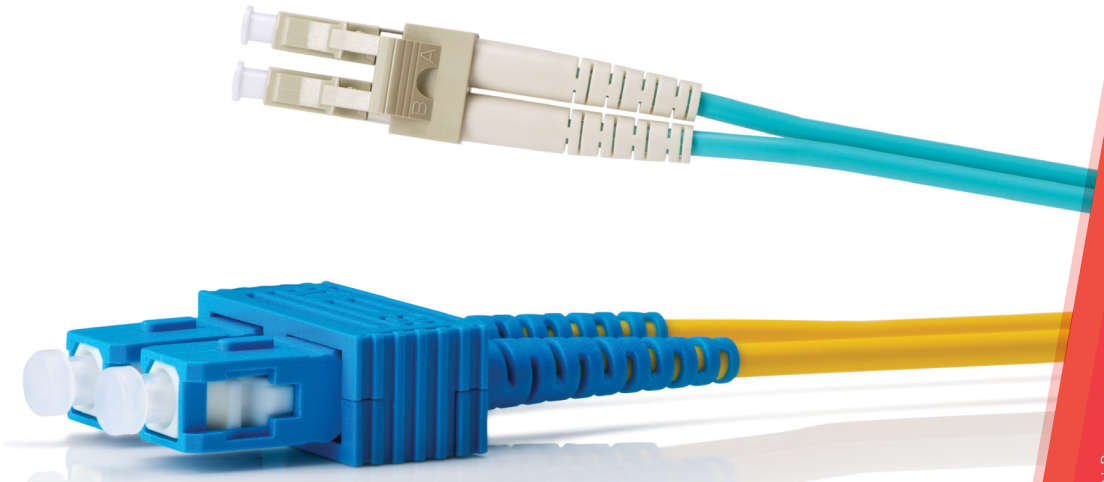
Wirewerks™ fiber optic patch cords and pigtails are the ideal medium to interconnect or cross-connect optical networks within a structured cabling system and test & measurement applications. They are designed, manufactured and tested in compliance with Telcordia, ANSI/TIA, and IEC industry standards. The quality of the components used to build Wirewerks fiber optic patch cords and pigtails ensures reliable connections. They are available in a wide variety of connector options, cable constructions, and flammability ratings. In addition, our factory has the capability and the experience to custom build to meet the most stringent mechanical and optical performance specifications. All Wirewerks patch cords and pigtails are provided with an identification label and have a unique serial number assigned to them. The information appearing on these labels consist of the part number, product description, serial number, guaranteed insertion and return loss (return loss for single mode patch cords and pigtails), and length of the patch cord or pigtail are displayed for easy product recognition and traceability.

Features and Benefits

- 100% insertion loss, return loss, end face tested, and visual inspection for contaminants
- Single mode OS2, and multimode OM1, OM2, OM3, OM4
- Standard connectors LC, SC, ST, FC, MTRJ
- Single mode connectors' default polish is UPC (≤-55 dB return loss)
- Custom patch cords & pigtails available upon request
- Standard jacket's fire ratings OFNR (Riser), OFNP (Plenum), and LSZH (Zero halogen)
- 900 µm,1.8, 2.0, and 3.0mm standard cable diameters

Applications

- Data centers
- Telecommunications networks
- Test and measurement systems
- Local and wide area networks (LAN and WAN)
- Community access television (CATV)



sales@wirewerks.com
Telephone: 1 888 993-4237, Fax: 1 888 893-4237

RoHS

PDS-0022-EN-B

Certification and Compliance

ITU-T G.652.D	Characteristics of single mode optical fiber cable – Low water peak single mode optical fiber.
GR-326-CORE	Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
GR-20-CORE	Generic Requirements for Optical Fiber and Optical Fiber Cable.
ANSI/TIA-568-C.3	Optical Fiber Cabling Components Standard.
ANSI/TIA-598-C	Optical Fiber Cable Color Coding.
TIA-604 series	Fiber Optic Connector Intermateability Standard.
TIA-455 series	Standard Test Procedure for Fiber Optic Components.
IEC 60874-1	Connecotrs for Optical Fibers and Cables – Generic Standard.
UL 94	Tests for Flammability of Plastic Material for Parts in Devices and Appliances.
RoHS	Directive on Restriction of Hazardous Substances.

Ordering Information

Part Number Builder

PC- A B CC D EE F - NNN

Fiber optic patch cord, fiber type, cable type, connA, ConnB, polishA, polishB, length

A — Fiber type

1	2	3	4	5
Single mode OS2	62.5/125 µm multimode OM1	50/125 µm multimode OM2	50/125 µm multimode OM3	50/125 µm multimode OM4

B — Cable type

A	B	R	C	D	T
2 fiber zip 3mm OFNR	2 fiber zip 3mm OFNP	2 fiber zip 3mm LSZH	1 fiber 3mm OFNR	1 fiber 3mm OFNP	2 fiber round 3mm OFNR

U	V	E	F	G	H
2 fiber round 3mm OFNP	2 fiber round 3mm LSZH	2 fiber zip 2mm OFNR	2 fiber zip 2mm OFNP	1 fiber 2mm OFNR	1 fiber 2mm OFNP

I	J	S	K
2 fiber zip 1.8mm OFNR	2 fiber zip 1.8mm OFNP	2 fiber zip 1.8mm LSZH	1 fiber tight buffer 900µm

CC — Connector side A

LC	SC	ST	FC	MT	MB
LC	SC	ST	FC	MTRJ Female	MTRJ Male

D — Polish side A

A	B	C
APC	UPC	PC (multimode)

EE — Connector side B

LC	SC	ST	FC	MT	MB
LC	SC	ST	FC	MTRJ Female	MTRJ Male

OE
Pigtail (no connector)

F — Polish side B

A	B	C	D
APC	UPC	PC (multimode)	N/A

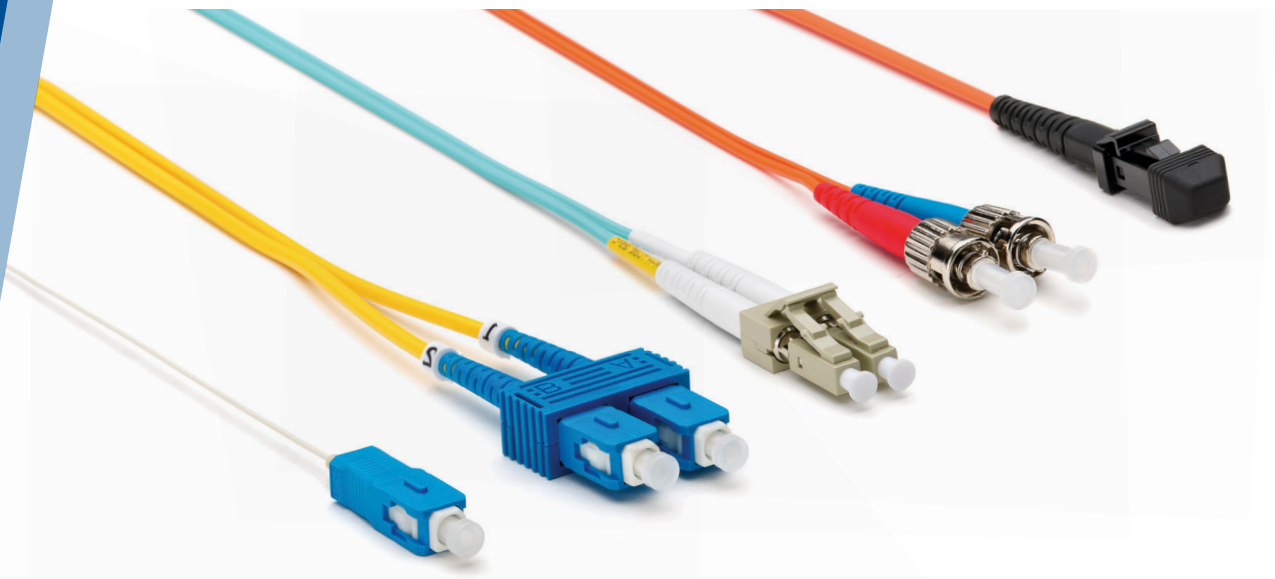
NNN — Length in meters (m)*

*If a decimal is required, add "D00" right after the nondecimal value and without leaving any space between. The "00" in "D00" must be replaced by the desired value. Example: an assembly with an overall length of 105.55 meters shall read as 105D55.

sales@wirewerks.com
Telephone: 1 888 993-4237, Fax: 1 888 893-4237

RoHS

PDS-0022-EN-B



Packaging

Description
Clear poly bag, 1unit per bag.

Physical Characteristics

Parameter	Value
LC, SC, MTRJ housing material	UL 94V-0 ABS high-impact thermoplastic
ST, FC housing material	Nickel-brass
Connector ferrule material	Zirconia ceramic
MTRJ ferrule material	Composite

Mechanical Characteristics

Parameter	Value
Operating Temperature	-20° C (-4° F) ~ 60° C (140° F)
Storage Temperature	-40° C (-40° F) ~ 60° C (140° F)

Optical Characteristics

Parameter		Value
Insertion Loss	Single mode UPC	≤0.30 dB
	Single mode APC	≤0.30 dB
	Multimode PC	≤0.30 dB
Return Loss	UPC	≤-55 dB
	APC	≤-65 dB

sales@wirewerks.com
Telephone: 1 888 993-4237, Fax: 1 888 893-4237

RoHS