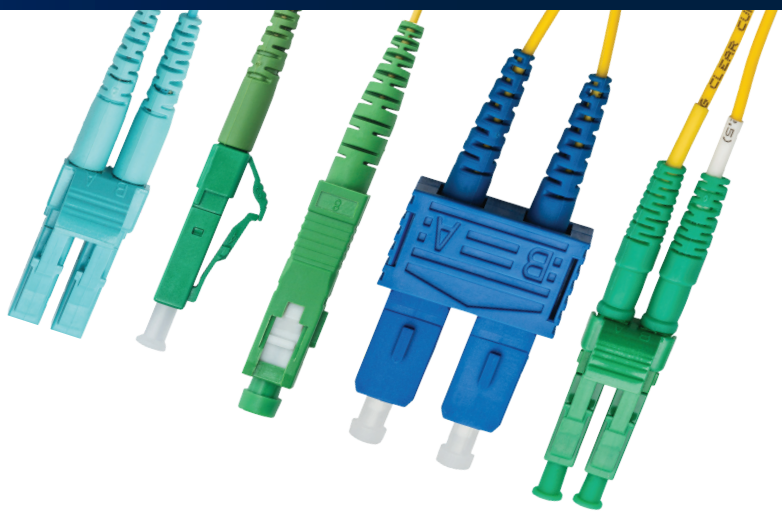
wirewerks

PRODUCT DATA SHEET



OPTICAL FIBER PATCH CORDS & PIGTAILS

PDS-0022

DESCRIPTION

Wirewerks™ offers a complete line of Optical Fiber Patch Cords and Pigtails in a wide selection of fiber types, connector options, cable constructions and flammability ratings.

All Wirewerks fiber patch cords and pigtails are engineered, manufactured and tested in our North American Fiber Assembly Plant in full compliance with applicable Telcordia, ANSI/TIA, and IEC industry standards. Our total quality process includes 100% testing of insertion loss (IL), return loss (RL) and end-face geometry (optional) along with visual inspections for contaminants and build quality. Accepted units are individually labeled with a unique serial number, part number, product description, length, and guaranteed IL and RL performance values for easy inventory/asset management and traceability.

In addition to a comprehensive selection of standard patch cords and pigtails, Wirewerks also offers custom-built patch cords, pigtails and multi-fiber cable assemblies, precision engineered and manufactured to your exact mechanical and optical specifications. Custom products are fully tested, documented, labelled and shipped for immediate worry-free installation on arrival. Our customer service experts are available to assist you in configuring custom solutions for all your fiber patch cord, pigtail and multi-fiber cable assembly needs.

Wirewerks fiber patch cords, pigtails and multi-fiber cable assemblies bring superior performance, reliability and plug-and-play simplicity to optical networks and systems.

FEATURES and BENEFITS

- 100% insertion loss (IL), return loss (RL), end face geometry test available, as well as visual inspection for contaminants
- Single-mode OS2, and multi-mode OM1, OM2, OM3, OM4
- 250µm, 900µm, 1.2mm, 1.6mm, 1.8mm, 2.0mm, and 3.0mm standard core/cable diameters
- Bend-insensitive fiber available
- Standard connectors LC, SC, ST, FC, MTRJ (other connectors on request)
- OFNR (Riser), OFNP (Plenum), and LSZH (Zero halogen) flammability ratings
- Custom patch cords, pigtails and multi-fiber cable assemblies available on request
- Stringent factory process control ensures consistently superior quality and reliability
- Factory-termination ensures optimum connector performance
- Unique serial numbers support inventory/asset management and traceability
- Superior performance and increased reliability lowers total cost of ownership

APPLICATIONS

- Data Centers
- SANs
- WANs/MANs
- Enterprise LANs
- Passive Optical Networks (PONs)
- CATV, MSO, Carrier networks
- Test and measurement systems

STANDARDS 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
Connectors for Optical Fibers and Cables – Generic Standard

UL 94
Optical Fiber Cable Color Coding

RoHS
Directive on Restriction of Hazardous Substances

ORDERING INFORMATION

Part Number Builder
PC - YANNXYYA - 000
PC = Fiber Optic Patch Cord

Part Number Builder
000 Length in meters**
**If a decimal is required, add "D00" right after the non-decimal 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.

*If more than one connector type, then place in alphabetical order, i.e. LC before ST, to avoid duplicate of part number creation for the same product.

PC - YANNXYYA - 000

Y		A		NN		X		YY		A	
Fiber Type		**Cable type**		**Connector side A***		**Polish side A**		**Connector side B**		**Polish side B**	
1	Single mode OS2	A	2 Fiber Zip 3mm OFNR	FC	FC	A	APC	FC	FC	A	APC
2	62.5/125 µm Multimode OM1	B	2 Fiber Zip 3mm OFNP	L4	LC 45 deg angled boot	B	UPC	L4	LC 45 deg angled boot	B	UPC
3	50/125 µm Multimode OM2	C	1 fiber zip 3 mm OFNR	L9	LC 90 deg angled boot	C	PC	L9	LC 90 deg angled boot	C	PC
4	50/125 µm Multimode OM3	D	1 fiber zip 2 mm OFNP	LF	LC flexible boot plastic body			LF	LC flexible boot plastic body	D	N/A
		E	2 fiber zip 2 mm OFNR								
5	50/125µm Multimode OM4	F	2 fiber zip 2 mm OFNP	LP	LC plastic body			LP	LC plastic body		
B	50/125µm Multimode OM2 Bend Insensitive 7.5mm	G	1 fiber 2 mm OFNR	LS	LC short boot plastic body			LS	LC short boot plastic body		
		H	1 fiber 2 mm OFNR								
		I	2 fiber zip 1.8 mm OFNR	MB	MTRJ Male			MB	MTRJ Male		
C	50/125µm Multimode OM3 Bend Insensitive 7.5mm	J	2 fiber zip 1.8 mm OFNP	MT	MTRJ Female			MT	MTRJ Female		
		K	1 fiber tight buffer 900µm	SC	SC			OE	Pigtail		
D	50/125µm Multimode OM4 Bend Insensitive 7.5mm	L	1 fiber coated 250µm	SS	SC short boot			SC	SC		
		M	1 fiber 1.6mm OFNR	ST	ST			SS	SC short boot		
								ST	ST		
E	Single Mode OS2 Bend Insensitive 10mm Yellow Jacket	N	1 fiber 1.6 mm OFNP								
		P	2 fiber zip 1.6 mm OFNR								
H	Single Mode OS2 Bend Insensitive 10mm Dark Blue Jacket	Q	2 fiber zip 1.6 mm OFNP								
		5	1 fiber 1.2 mm OFNR								
J	50/125µm Multimode OM4 Bend Insensitive 7.5mm Erika Violet Jacket	6	1 Fiber 1.2mm OFNP								
		7	2 Fiber 1.2mm OFNR								
		8	2 Fiber 1.2mm OFNP								

*If more than one connector type, then place in alphabetical order, i.e. LC before ST, to avoid duplicate of part number creation for the same product.

T 1 888 993-4237 | F 1 888 893-4237

PACKAGING and SHIPPING

Description
Clear Poly bag, 1 unit per bag

PHYSICAL SPECIFICATIONS

Parameter	Value
LC, SC, MTRJ Housing Material	UL 94V-0 ABS High-Impact Thermoplastic
Connector Ferrule Material	Nickel-Brass
Plastic Materials	Zirconia Ceramic
MTRJ Ferrule Material	Composite

MECHANICAL SPECIFICATIONS

Parameter	Value
Operating Temperature	-20° C (-4° F) ~ 90° C (194° F)
Storage Temperature	-40° C (-40° F) ~ 90° C (194° F)

OPTICAL SPECIFICATIONS

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

Note: The optical characteristics apply to each individual connector and not the cable assembly as a whole.