

TECHNICAL SPECIFICATION for OPTICAL FIBER PATCH CORD



Patch Cord

1. Scope:

This specification is applicable to optical fiber patch cord and with optical connectors.

2. Ordering Information/Part Number:

OPC								
Optical Patch Cord	Fiber Type	Connector Type	Polishing Type	Connector Type	Polishing Type	Cable Length [m]	Cable Type	Cable Diameter
	G.652 [9/125]	SC, FC, LC, ST	SPC	SC, FC, LC, ST	SPC	1~999	SP: Simplex	ø 0.9
	G.657 G.655 [9/125]	MTRJ, MU	UPC	MTRJ, MU	UPC		DP: Duplex Zip cord	ø 2.0
	OM1 [62/125]	E2000, MIL, ESCON, FDDI	APC	E2000, MIL, ESCON, FDDI	APC		R: Duplex Round cord	ø 2.4
	OM2 [50/125]	SMA, LX5		SMA, LX5			Other	ø 3.0
	OM3 OM4 [50/125]	Other		Other				ø 5.5
	PM [Polarization Maintaining]							Other

3. Features and Benefits:

- Compliant with : IEC, JIS, Telcordia
- Optical performance 100% factory tested
- Customized assemblies available include of lengths
- Various connector styles and Superb performance
- Minimum loss

4. Application:

- Telecommunication Networks
- CATV Networks
- Active Device Termination
- Local Area Networks
- Data system networks

5. Specification:

Characteristics	Conditions	Value
Insertion Loss	Against Reference connector	<0.2dB
Return Loss	SPC	>40dB
	UPC	>50dB
	APC	>60dB
Durability	1000matings	<0.2dB
Temperature Cycling	-40 ~ +80°C (42 cycles)	<0.2dB
Humidity Cycling	75°C, 95%/336hr	<0.2dB
Vibration	10 ~ 55Hz(2Hr)	<0.2dB
Flex Test	0°→90°→0°→90°, 5kgf(100cycles)	<0.2dB
Twist Test	ø0.9mm : 0.75kgf, ø2.0mm : 1.53kgf	<0.2dB
Straight Pull Test	100N Load	<0.2dB
Impact	1.5m drop, 8tlmes	<0.2dB

6. Spec of fiber:

Items		Units	Specification
Attenuation	1310nm	dB/km	≤0.50
	1490nm*		≤1310nm measured value
	1550nm		≤0.50
Chromatic dispersion	1285□1330nm	ps/nm.km	≤3.5
	1550nm		≤18

*This characteristic may be replaced fiber maker's test report