



Fronova

Trusted Fiber Optic solutions

www.fronovatechnologies.com

About Us

At Fronova Technologies, we are committed to delivering reliable, innovative and high performance fiber optic networking solutions for the modern digital world. Based in India, we are recognized as a trusted manufacturer and solution provider specializing in advanced fiber optic and connectivity products.

With a strong focus on quality, technology, and customer satisfaction, we provide complete networking solutions ranging from passive to active components for telecommunication networks, enterprise infrastructure, data centers, FTTH deployments, CCTV systems, and IoT applications.

Our extensive product portfolio includes Fiber Optic Patch Cords, Pigtails, FTTH Drop Cables, Adapters, PLC Splitters, LGX Boxes, Patch Panels, Fiber Cables, LAN Cables, and CCTV Cables engineered to deliver superior performance, durability, and seamless connectivity.



*Connecting the Future with
Reliable Fiber Optic Solutions
and Advanced Networking
Technology.*

Company History

2023

Started first PLC Splitter production line.

Expanded more fiber optics patch cord production line to fulfill market demand.

2020

2018

Started first fiber optics patch cord production line.

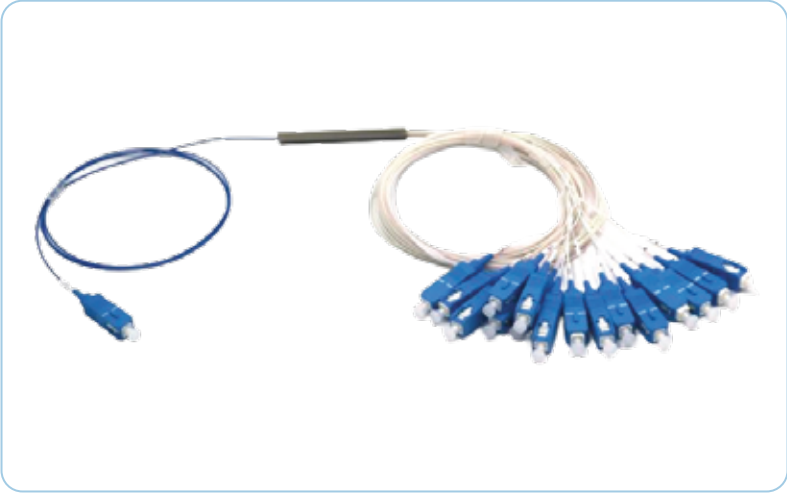
Expanded trade business on large scale using fiber optic products.

2017

2015

Company established in 2015 to trade networking and telecommunication related wired and wireless products.

FO PLC SPLITTER



FEATURES

- Low insertion and low polarization dependent loss
- High return loss
- Uniform power splitting
- Compact design
- Wide operating wavelength
- Excellent environmental & mechanical stability

CONFIGURATIONS

FO Splitter 1x2, 1x4, 1x8, 1x16, 1x32, 2x4, 2x8, 2x16, 2x32

USE
For GPON Application

Parameters	Unit	Values				
		1x2	1x4	1x8	1x16	1x32
Product Type						
Operating Wavelength	Nm	1260 to 1650				
Insertion Loss (Typical)	dB	3.6	7.1	10.2	13.5	16.5
Insertion Loss (Max)	dB	4.0	7.3	10.5	13.7	16.9
Uniformity (Max)	dB	0.5		0.8	1.4	1.5
PDL (max)	dB	0.2		0.3	0.3	0.3
TDL (max)	dB			0.5		
Return Loss	dB			55		
Directivity	dB			55		
Operating and Storage Temperature	°C	-40 to +85				

Description	Type	Diameter	Length
Splitter 1x2	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 1x4	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 1x8	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 1x16	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 1x32	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 2x4	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 2x8	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 2x16	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m
Splitter 2x32	G657A1, A2	0.9mm	0.5m, 1m, 1.5m, 2m

FO LGX BOX SPLITTER



FEATURES

- Low insertion and low polarization dependent loss
- High return loss
- Uniform power splitting
- Compact design
- Wide operating wavelength
- Excellent environmental & mechanical stability



CONFIGURATIONS

FO LGX Box Splitter 1x2, 1x4, 1x8, 1x16, 1x32, 2x4, 2x8, 2x16, 2x32



USE

For GPON Application

Parameters	Unit	Values				
		1x2	1x4	1x8	1x16	1x32
Product Type						
Operating Wavelength	Nm	1260 to 1650				
Insertion Loss (Typical)	dB	3.6	7.1	10.2	13.5	16.5
Insertion Loss (Max)	dB	4.0	7.3	10.5	13.7	16.9
Uniformity (Max)	dB	0.5		0.8	1.4	1.5
PDL (max)	dB	0.2		0.3	0.3	0.3
TDL (max)	dB			0.5		
Return Loss	dB			55		
Directivity	dB			55		
Operating and Storage Temperature	°C	-40 to +85				

Description	Type	Diameter	Length
Splitter 1x2	G657A1, A2	0.9mm	N/A
Splitter 1x4	G657A1, A2	0.9mm	N/A
Splitter 1x8	G657A1, A2	0.9mm	N/A
Splitter 1x16	G657A1, A2	0.9mm	N/A
Splitter 1x32	G657A1, A2	0.9mm	N/A
Splitter 2x4	G657A1, A2	0.9mm	N/A
Splitter 2x8	G657A1, A2	0.9mm	N/A
Splitter 2x16	G657A1, A2	0.9mm	N/A
Splitter 2x32	G657A1, A2	0.9mm	N/A

FMS Panel



FEATURES

- 1.2mm steel thickness
- 1U/2U/4U mounting height
- High density slide tray
- Compact design
- Excellent environmental & mechanical stability

CONFIGURATIONS

FMS Panel
12, 24, 48, 96, 144 Port

DESCRIPTION

Sliding FMS panel loaded with FO Adapte and 0.9mm pigtails

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB

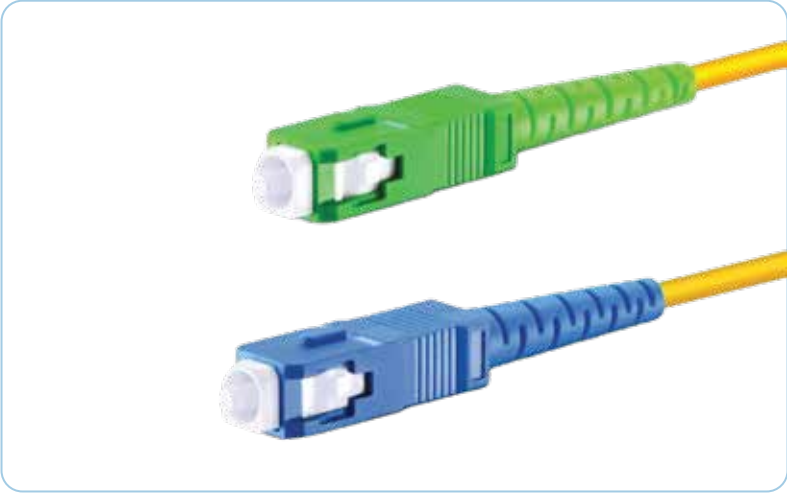
CONSTRUCTION

Cable Type	Simplex
Fiber	G657A Single Mode
Panel Material	Steel

PANEL TYPES

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Port
1	SC	G657A	SM,MM	0.9	12,24,48,96
2	LC	G657A	SM,MM	0.9	12,24,48,96

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

Fiber Optic Patch Cord For SC SM



DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling



CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	G652D, G657A Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2, 2.8, 3 mm
Wiring	A to B



OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB



LENGTH (M) TOLERANCES (MM)

$L \leq 10 +100/0$
 $10 < L \leq 50 +200/0$
 $L > 10 +500/0$



CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	SC-SC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
2	SC-LC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
3	SC-ST	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
4	SC-FC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
5	SC-E2000	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

Fiber Optic Patch Cord For SC SM to SC MM



DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling



CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	OM1, OM2, OM3, OM4 MM
Polishing Type	End A/End B: PC
Colour	Orange, Aqua
Cable Diameter	2, 3 mm
Wiring	A to B



OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB



LENGTH (M) TOLERANCES (MM)

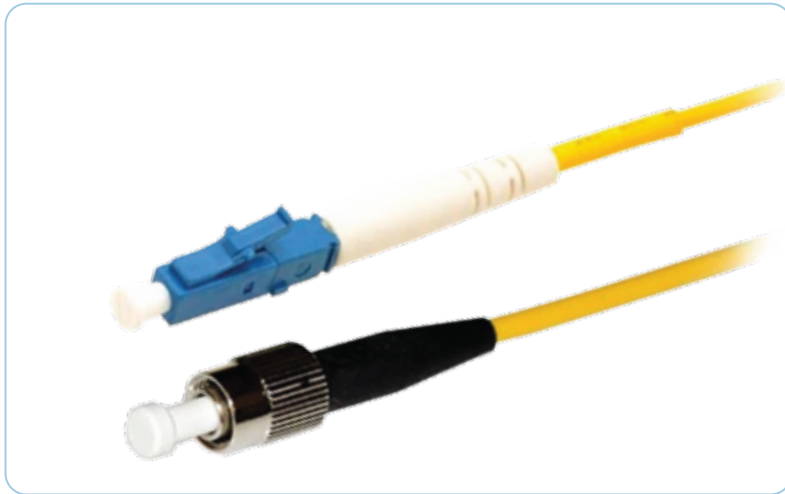
L ≤ 10 +100/0
 10 < L ≤ 50 +200/0
 L > 10 +500/0



CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	SC-SC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
2	SC-LC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
3	SC-ST	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
4	SC-FC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
5	SC-E2000	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

Fiber Optic Patch Cord For LC SM



DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling



OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB



CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	G652D, G657A Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2, 2.8, 3 mm
Wiring	A to B



LENGTH (M) TOLERANCES (MM)

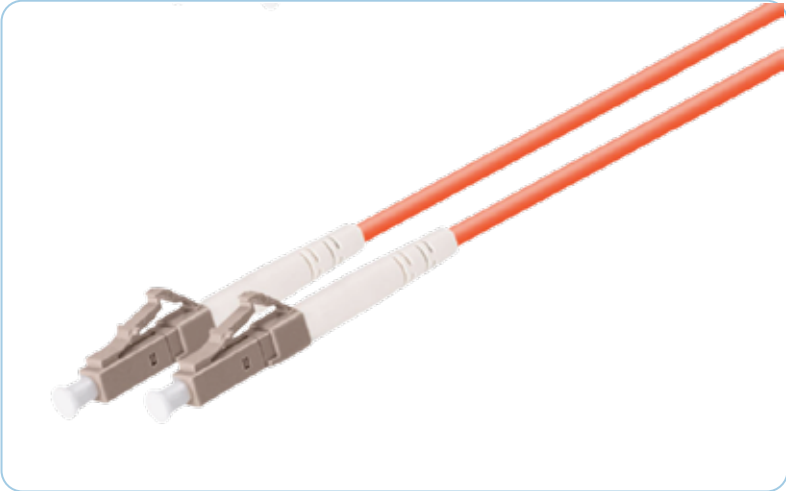
$L \leq 10 +100/0$
 $10 < L \leq 50 +200/0$
 $L > 10 +500/0$



CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	LC-SC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
2	LC-LC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
3	LC-ST	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
4	LC-FC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
5	LC-E2000	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For LC MM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	OM1, OM2, OM3, OM4 MM
Polishing Type	End A/End B: PC
Colour	Orange, Aqua
Cable Diameter	2,3 mm
Wiring	A to B

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB

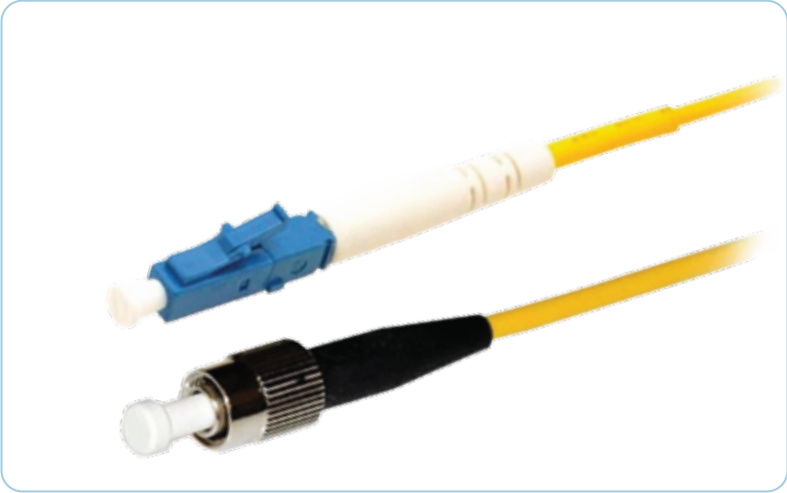
LENGTH (M) TOLERANCES (MM)

L ≤ 10	+100/0
10 < L ≤ 50	+200/0
L > 10	+500/0

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	LC-SC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
2	LC-LC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
3	LC-ST	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
4	LC-FC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
5	LC-E2000	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For ST SM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	G652D, G657A Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2, 2.8, 3 mm
Wiring	A to B

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB

LENGTH (M) TOLERANCES (MM)

L ≤ 10	+100/0
10 < L ≤ 50	+200/0
L > 10	+500/0

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	ST-SC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
2	ST-LC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
3	ST-ST	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
4	ST-FC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
5	ST-E2000	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For ST MM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	OM1, OM2, OM3, OM4 MM
Polishing Type	End A/End B: PC
Colour	Orange, Aqua
Cable Diameter	2,3 mm
Wiring	A to B

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB

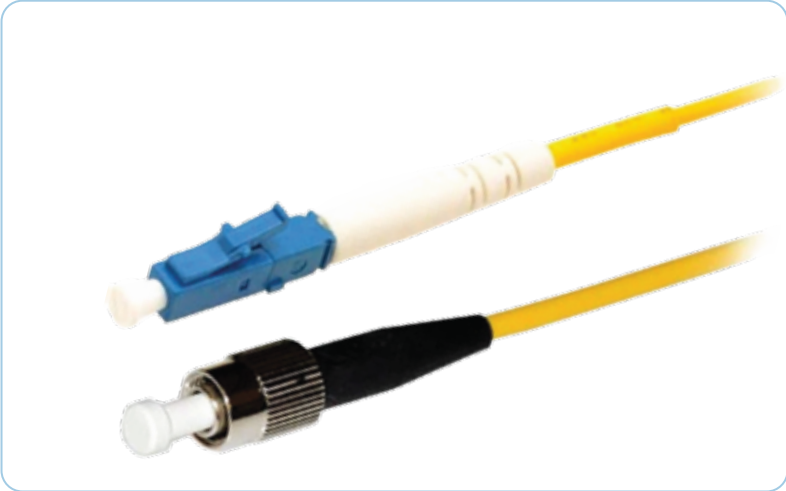
LENGTH (M) TOLERANCES (MM)

$L \leq 10 +100/0$
 $10 < L \leq 50 +200/0$
 $L > 10 +500/0$

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	ST-SC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
2	ST-LC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
3	ST-ST	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
4	ST-FC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
5	ST-E2000	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For FC SM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	G652D, G657A Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2, 2.8, 3 mm
Wiring	A to B

LENGTH (M) TOLERANCES (MM)

$L \leq 10 \text{ } +100/0$
 $10 < L \leq 50 \text{ } +200/0$
 $L > 10 \text{ } +500/0$

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	FC-SC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
2	FC-LC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
3	FC-ST	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
4	FC-FC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
5	FC-E2000	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For FC MM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	OM1, OM2, OM3, OM4 MM
Polishing Type	End A/End B: PC
Colour	Orange, Aqua
Cable Diameter	2,3 mm
Wiring	A to B

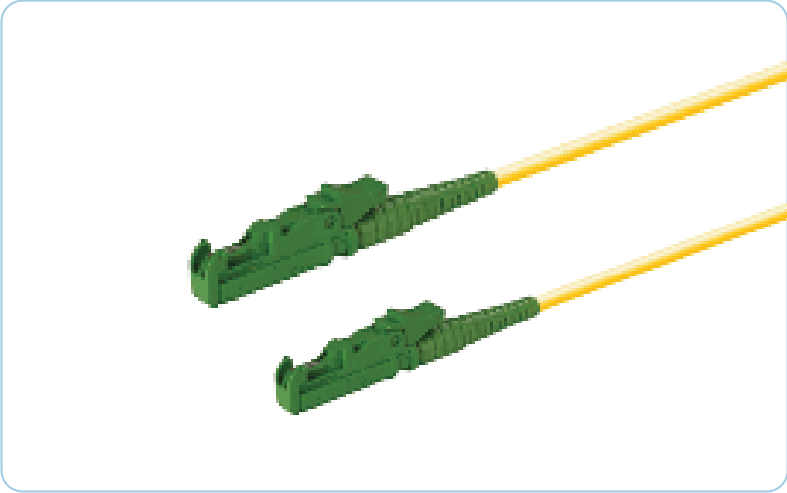
LENGTH (M) TOLERANCES (MM)

$L \leq 10 +100/0$
 $10 < L \leq 50 +200/0$
 $L > 10 +500/0$

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	FC-SC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
2	FC-LC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
3	FC-ST	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
4	FC-FC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
5	FC-E2000	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Fiber Optic Patch Cord For E2000 SM

DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 50 dB

CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	G652D, G657A Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2, 2.8, 3 mm
Wiring	A to B

LENGTH (M) TOLERANCES (MM)

$L \leq 10 \text{ } +100/0$
 $10 < L \leq 50 \text{ } +200/0$
 $L > 10 \text{ } +500/0$

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	E2000-SC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
2	E2000-LC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
3	E2000-ST	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
4	E2000-FC	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20
5	E2000-E2000	G652D, G657A	Single Mode	2, 2.8, 3	1,2,3,5,10,20

FIBER OPTIC PATCH CORD



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

Fiber Optic Patch Cord For E2000 MM



DESCRIPTION

Fiber Optic Patch Cord for Optical Fiber Cabling



CONSTRUCTION

Cable Type	Simplex, Duplex
Fiber	OM1, OM2, OM3, OM4 MM
Polishing Type	End A/End B: PC
Colour	Orange, Aqua
Cable Diameter	2,3 mm
Wiring	A to B



OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB



LENGTH (M) TOLERANCES (MM)

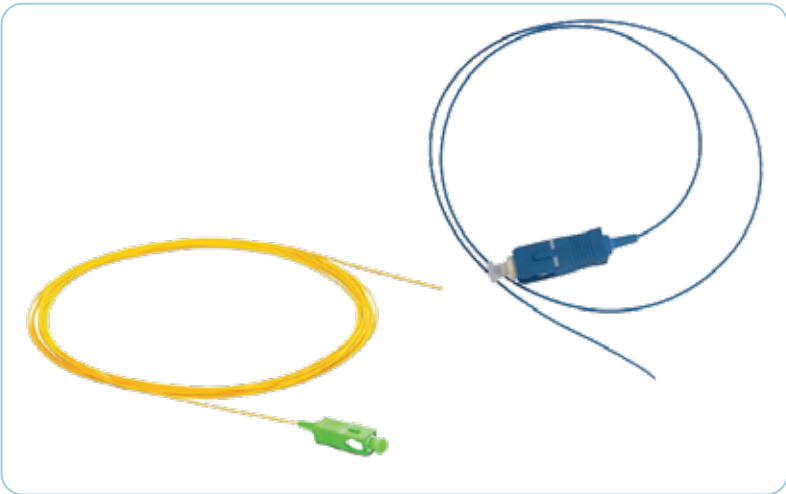
$L \leq 10 \text{ } +100/0$
 $10 < L \leq 50 \text{ } +200/0$
 $L > 10 \text{ } +500/0$



CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Diameter (mm)	Length (Mtr)
1	E2000-SC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
2	E2000-LC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
3	E2000-ST	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
4	E2000-FC	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20
5	E2000-E2000	OM1, OM2, OM3, OM4	Multi Mode	2,3	1,2,3,5,10,20

PIGTAILS FOR FIBER CABLE CONNECTION



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Pigtails For Fiber Cable Connection For SC, LC SM

DESCRIPTION

Fiber Optic Pigtail for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	See table

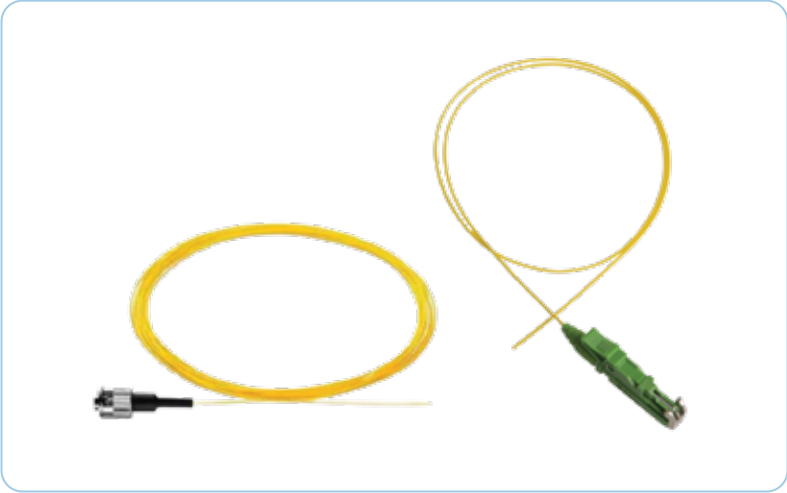
CONSTRUCTION

Fiber	G652D, G657A Single Mode
Connector	PC Or APC
Colour	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer	Semi tight 0.9 mm
Ferrule	Ceramic

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Return loss	Length (m)
1	SC/PC	G652D, G657A	Single Mode	>50dB	0.5,0.75,1,1.5,2
2	LC/PC	G652D, G657A	Single Mode	>50dB	0.5,0.75,1,1.5,2
3	SC/APC	G652D, G657A	Single Mode	>65dB	0.5,0.75,1,1.5,2
4	LC/APC	G652D, G657A	Single Mode	>65dB	0.5,0.75,1,1.5,2

PIGTAILS FOR FIBER CABLE CONNECTION



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Pigtails For Fiber Cable Connection For ST, FC, E2000 SM

DESCRIPTION

Fiber Optic Pigtail for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	See table

CONSTRUCTION

Fiber	G652D, G657A Single Mode
Connector	PC Or APC
Colour	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer	Semi tight 0.9 mm
Ferrule	Ceramic

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Return loss	Length (m)
1	ST/PC	G652D, G657A	Single Mode	>50dB	0.5,0.75,1,1.5,2
2	FC/PC	G652D, G657A	Single Mode	>50dB	0.5,0.75,1,1.5,2
3	E2000/PC	G652D, G657A	Single Mode	>50dB	0.5,0.75,1,1.5,2
4	ST/APC	G652D, G657A	Single Mode	>65dB	0.5,0.75,1,1.5,2
5	FC/APC	G652D, G657A	Single Mode	>65dB	0.5,0.75,1,1.5,2
6	E2000/APC	G652D, G657A	Single Mode	>65dB	0.5,0.75,1,1.5,2

PIGTAILS FOR FIBER CABLE CONNECTION



- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability

CONFIGURATIONS

Pigtailed For Fiber Cable
 Connection For SC, LC, ST, FC MM

DESCRIPTION

Fiber Optic Pigtail for Optical Fiber Cabling

OPTICAL CHARACTERISTIC

Insertion Loss	≤ 0.30 dB
Return Loss	See table

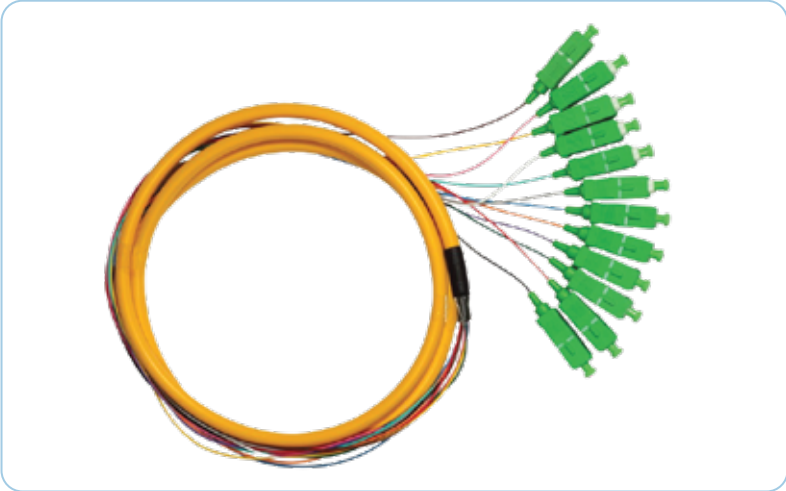
CONSTRUCTION

Fiber	OM1, OM2, OM3, OM4 MM
Connector	PC
Colour	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer	Semi tight 0.9 mm
Ferrule	Ceramic

CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Return loss	Length (m)
1	SC/PC	OM1, OM2, OM3, OM4	Multi Mode	>35dB	0.5,0.75,1,1.5,2
2	LC/PC	OM1, OM2, OM3, OM4	Multi Mode	>35dB	0.5,0.75,1,1.5,2
3	ST/PC	OM1, OM2, OM3, OM4	Multi Mode	>35dB	0.5,0.75,1,1.5,2
4	FC/PC	OM1, OM2, OM3, OM4	Multi Mode	>35dB	0.5,0.75,1,1.5,2
5	E2000/PC	OM1, OM2, OM3, OM4	Multi Mode	>35dB	0.5,0.75,1,1.5,2

PIGTAILS FOR FIBER CABLE CONNECTION



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

Pigtails For Fiber Cable
 Connection For SC, LC, ST, FC in Bunch



DESCRIPTION

Fiber Optic Pigtail for Optical Fiber Cabling



OPTICAL CHARACTERISTIC

Insertion Loss	See table
Return Loss	See table



CONSTRUCTION

Fiber	Single Mode
Connector	PC Or APC
Colour	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer	Semi tight 0.9 mm
Ferrule	Ceramic



CABLE LENGTH

1m, 1.5m, 2m

Colour	Ins. Loss		Ret. Loss		Colour	Ins. Loss		Ret. Loss	
	PC	APC	PC	APC		PC	APC	PC	APC
Blue	0.16	0.04	51.4	55.3	Red	0.08	0.05	51.1	53.2
Orange	0.04	0.06	51.9	55.4	Black	0.04	0.03	52.5	51.3
Green	0.06	0.07	50.7	55.3	Yellow	0.07	0.02	52.7	55.2
Brown	0.05	0.01	52.8	54.3	Purple	0.17	0.04	54.1	55.3
Gray	0.11	0.02	50.4	53.4	Pink	0.15	0.06	52.0	54.5
White	0.17	0.01	51.9	53.4	Aqua	0.08	0.02	50.7	52.2

FTTH DROP CABLE **PATCH CORD**



FEATURES

- Low insertion loss and back reflection loss
- High exchangeability
- High Durability
- High temperature stability



CONFIGURATIONS

FTTH Patch Cord For
SC, LC, ST, FC, E2000 Simplex



DESCRIPTION

FTTH Drop Cable patch cord for optical network



OPTICAL CHARACTERISTIC

Insertion Loss	< 0.30 dB
Return Loss	≥ 50 dB



CONSTRUCTION

Cable Type	Simplex Cable
Fiber	G652D Single Mode
Polishing Type	End A/End B: PC Or APC
Colour	OS2 (Yellow)
Cable Diameter	2 mm x 3 mm
Wiring	A to B



CABLE LENGTH

Sr. No.	Connector Type	Fiber Type		Dimension (mm)	Length (Mtr)
1	SC-SC	G652D, G657A	Single Mode	2 x 3 mm	5,10,20,30, 50, 100, 200
2	SC-LC	G652D, G657A	Single Mode	2 x 3 mm	5,10,20,30, 50, 100, 200
3	SC-ST	G652D, G657A	Single Mode	2 x 3 mm	5,10,20,30, 50, 100, 200
4	SC-FC	G652D, G657A	Single Mode	2 x 3 mm	5,10,20,30, 50, 100, 200
5	SC-E2000	G652D, G657A	Single Mode	2 x 3 mm	5,10,20,30, 50, 100, 200

FO Adapters



FEATURES

- Low insertion loss and back reflection loss
- High precision alignment
- Compact design
- Nickel plated brass body
- Choice of housing material and sleeve material
- Telcordia, ANSI, TIA/EIA, NTT and JIS compliance



CONFIGURATIONS

Fiber Optic Adapter For SC, LC, ST, FC



DESCRIPTION

Fiber Optic Adaptor for Various Network application



OPTICAL CHARACTERISTIC

Insertion loss	< 0.20 dB
Durability	<0.20 dB Typical change, 1000 matings
Operating Temperature	-40~85°C(PBT)/-25~70°C(ABS)

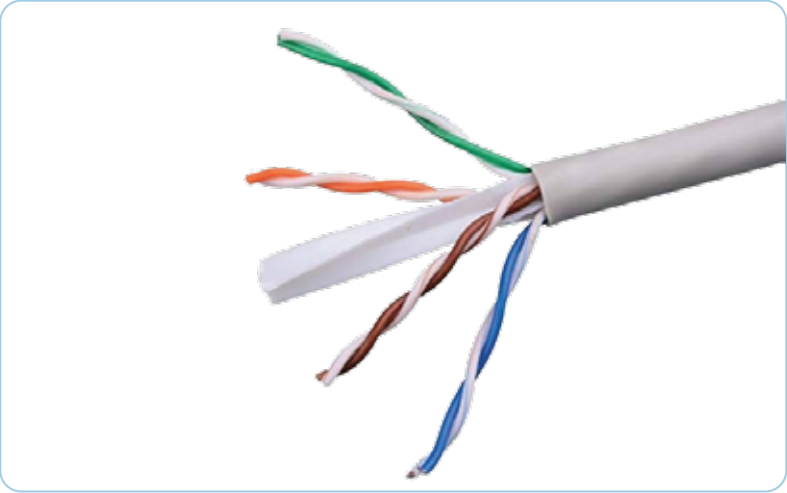


CONSTRUCTION

Housing Material	Plastic
Spring Plate	Stainless Steel
Sleeve	Ceramic, Phosphor-Bronze
Dust cap	Plastic

Sr. No.	Type	Sleeve Type		Insertion loss
		Plastic	Metal	
1	SC	Ceramic	Phosphor-Bronze	<0.20 dB
2	LC	Ceramic	Phosphor-Bronze	<0.20 dB
3	ST	Ceramic	Phosphor-Bronze	<0.20 dB
4	FC	Ceramic	Phosphor-Bronze	<0.20 dB
5	E2000	Ceramic	Phosphor-Bronze	<0.20 dB

CAT6 UTP LAN CABLE



FEATURES

- Electrolytic grade copper
- HDPE Insulation

CONFIGURATIONS

CAT6 UTP LAN Cable



DESCRIPTION

Unshielded CAT6 UTP LAN cable designed for voice, video and data transmission.



COLOR CODES

Pair No	Color
1-2	White-Orange and Orange
3-6	White-Green and Green
4-5	White-Blue and Blue
7-8	White-Brown and Brown



CONSTRUCTION

Conductor	Solid Bare Electrolytic Grade 24 AWG (0.51 ± 0.015 mm)
Insulation	HDPE Thickness (0.175 ± 0.01 mm)
Jacket	PVC/LSZH (Gray), Diameter(5.8 ± 0.3 mm)



PACKING DETAILS

Packing	305 meter in Box
Printing	CAT6 4P UTP CABLE MMM YYYY METER



MECHANICAL PROPERTIES

Installation Temperature	-0°C to +50°C
Operating Temperature	-20°C to +75°C
Storage Temperature	-20°C to +60°C

CAT6 UTP LAN CABLE



ELECTRICAL PROPERTIES

Characteristic impedance (4MHz < f < 100MHz)	100 plus/minus 15 * Ohm
Mean characteristic impedance @ 100 MHz	100 plus/minus 5 * Ohm
DC Loop resistance	170 Ohm/km
Conductor resistance	93.5 Ohms (for 1000m)
Resistance unbalance, maximum	5%
Propagation delay	800 nsec / km
Skew, maximum (100 MHz)	200 nsec / km
Nominal velocity of propagation (NVP)	69%
Mutual capacitance, nominal	56 pF/m
Capacitance unbalance, maximum	300 pF/km

TRANSMISSION CHARACTERISTICS PER 100M

FREQUENCY MHZ	INSERTION LOSS (DB/100 = M)	RL (DB)	NEXT (DB)	PSNEXT (DB)	ELFEXT (DB)	PSELFEXT (DB)	ACR (DB)	PSACR (DB)
1	2.0	20	65.3	62.3	63.8	60.8	63.3	60.3
4	4.1	23	56.3	53.3	51.8	48.8	52.2	49.2
8	5.8	24.5	51.8	48.8	45.7	42.7	46	43
10	6.5	25	50.3	47.3	43.8	40.8	43.8	40.8
16	8.2	25	47.2	44.2	39.7	36.7	39	36
20	9.3	25	45.8	42.8	37.8	34.8	36.5	33.5
25	10.4	24.3	44.3	41.3	35.8	32.8	33.9	30.9
31.25	11.7	23.6	42.9	39.9	33.9	30.9	31.2	28.2
62.5	17	21.5	38.4	35.4	27.9	24.9	21.4	18.4
100	22	20.1	35.3	32.3	23.8	20.8	13.3	10.3



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