

Fronova

Technologies

Company Profile



Fronova Technologies, based in India, stands as a top manufacturer and solution provider of fiber optic products in India. We offer a wide range of solutions, from passive to active components, catering to telecommunication networks, enterprise networks, data centers, and IoT applications.

Our product lineup includes fiber optic patch cords, pigtails, FTTH drop cables, adapters, PLC splitters, LGX boxes, patch panels, Fiber cables, LAN Cables, CCTV Cables.

Company History

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

2020

2023

Started first PLC Splitter production line.

2018

Started first fiber optics patch cord production line.

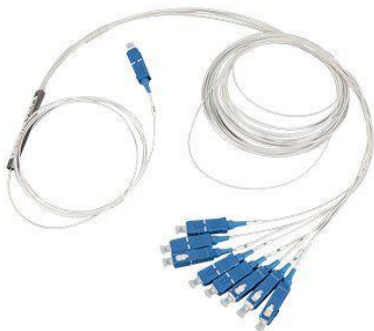
2017

Expanded trade business on large scale using fiber optic products.

2015

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

Fronova™ FO Splitter



Features

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

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

Use

For GPON Application

Parameters	Unit	Values				
Product Type		1x2	1x4	1x8	1x16	1x32
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

Fronova™ 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

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

Use

For GPON Application

Parameters	Unit	Values				
Product Type		1x2	1x4	1x8	1x16	1x32
Operating Wavelength	Nm	1260 to 1650				
Insertion Loss (Typical)	dB	3.8	7.1	10.4	13.7	16.8
Insertion Loss (Max)	dB	4.0	7.3	10.7	13.9	17.0
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

Fronova™ FMS Panel



Features

- 1.5mm steel thickness
- Slim 1U mounting height
- High density slide tray
- Compact design
- Excellent environmental & mechanical stability

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

Description

Sliding FMS panel loaded with FO Adapter and 0.9mm pigtails

Construction

Cable Type Simplex
Fiber G657A Single Mode
Panel Material Steel

Optical Characteristic

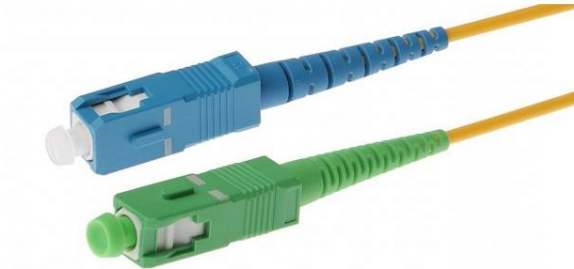
Insertion loss < 0.30 dB
Return loss ≥ 50 dB

Panel Types

See table for 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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For SC 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)

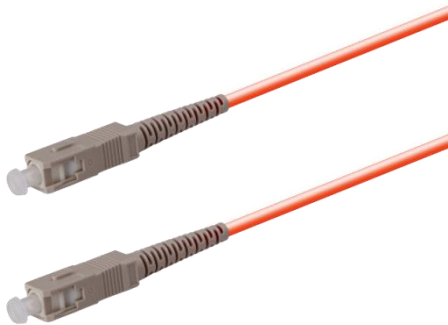
$L \leq 10$ +100/0
 $10 < L \leq 50$ +200/0
 $L > 10$ +500/0

Cable Length

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For SC 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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For LC 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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For ST 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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For ST 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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

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)

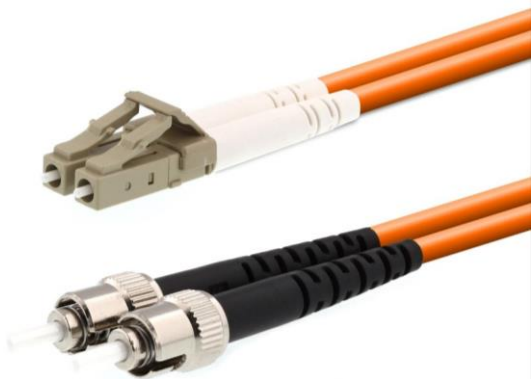
$L \leq 10$ +100/0
 $10 < L \leq 50$ +200/0
 $L > 10$ +500/0

Cable Length

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

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

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

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)

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

Cable Length

See table for connector types and lengths

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

Fronova™ Fiber Optic Patch Cord



Features

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

Fiber Optic Patch Cord For E2000 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)

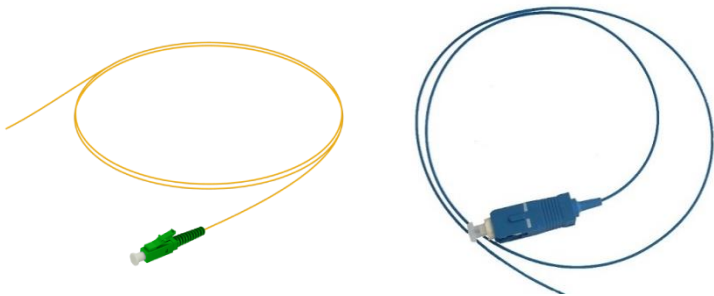
$L \leq 10$ +100/-0
 $10 < L \leq 50$ +200/-0
 $L > 10$ +500/-0

Cable Length

See table for connector types and lengths

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

Fronova™ Pigtails For Fiber Cable Connection



Features

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

Pigtails For Fiber Cable Connection
For SC, LC SM

Description

Fiber Optic Pigtail for Optical Fiber Cabling

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

Optical Characteristic

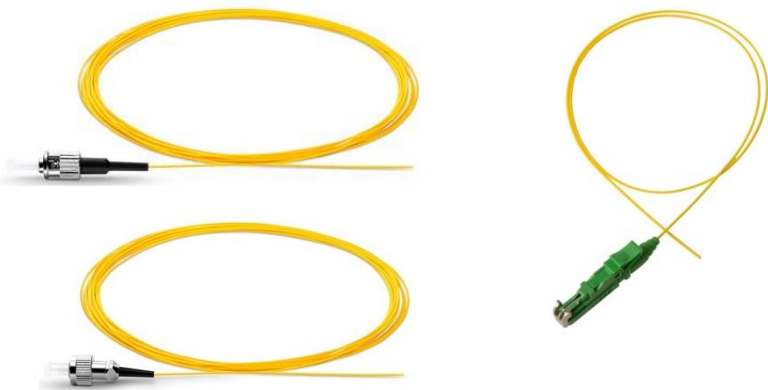
Insertion loss	< 0.30 dB
Return loss	See table

Cable Length

See table for connector types and lengths

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

Fronova™ Pigtails For Fiber Cable Connection



Features

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

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

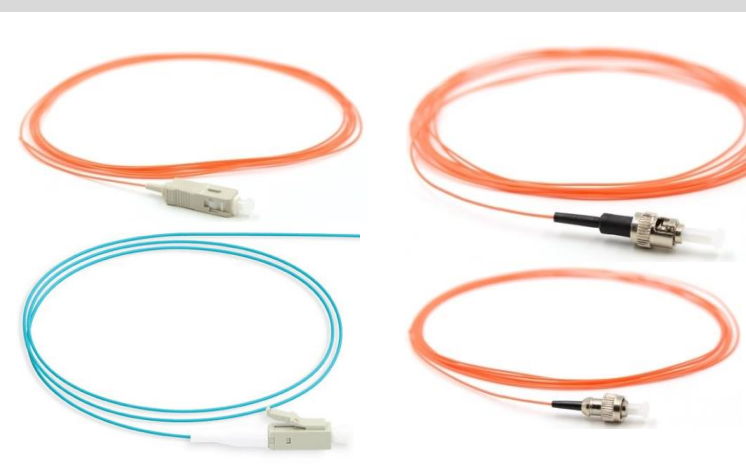
Fiber G652D, G657A Single Mode
Connector PC Or APC
Colour Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer Semi tight 0.9 mm
Ferrule Ceramic

Cable Length

See table for connector types and lengths

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

Fronova™ Pigtails For Fiber Cable Connection



Features

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

Pigtails 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

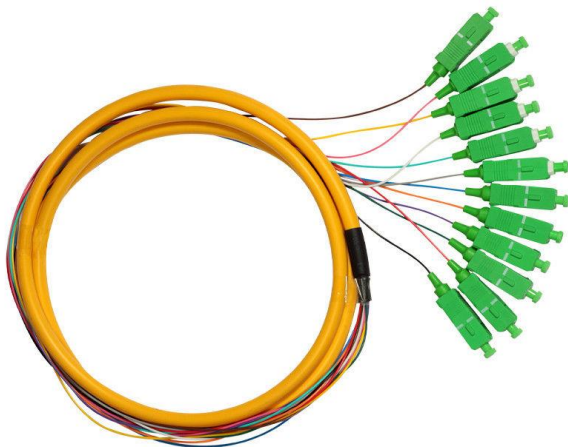
Fiber OM1, OM2, OM3, OM4 MM
Connector PC
Colour Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink
Buffer Semi tight 0.9 mm
Ferrule Ceramic

Cable Length

See table for connector types and lengths

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

Fronova™ Pigtails For Fiber Cable Connection



Features

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

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

Description

Fiber Optic Pigtail for Optical Fiber Cabling

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

Optical Characteristic

Insertion loss	See table
Return loss	See table

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

Fronova™ FTTH Drop Cable Patch Cord



Features

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

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 Dimension 2 mm x 3 mm
Wiring A to B

Cable Length

See table for connector types and lengths

Sr. No.	Connector Type	Fiber Type		Cable Dimension	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

Fronova™ 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

Fiber Optic Adapter For SC, LC, ST, FC

Description

Fiber Optic Adaptor for Various Network applications

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

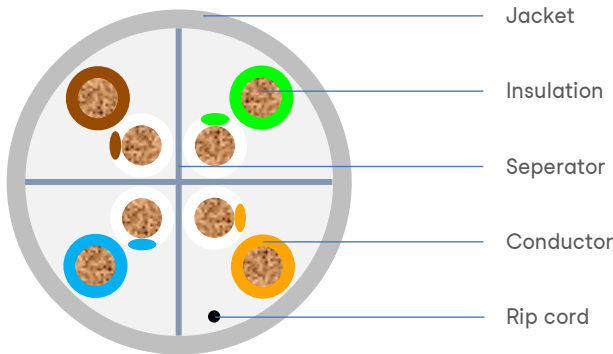
- Housing Material:Plastic
- Spring Plate Stainless Steel
- Sleeve Ceramic, Phosphor-Bronze
- Dust cap Plastic

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

Fronova™ CAT6 UTP LAN Cable

Features

- Electrolytic grade copper
- HDPE Insulation



CAT6 UTP LAN Cable

Description

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

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)

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

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

Fronova™ CAT6 UTP Cable

Electrical Properties

Characteristic impedance (4 MHz < f < 100 MHz) :	100 ± 15 Ohm
Mean characteristic impedance @ 100 MHz :	100 ± 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)	PSELFEX T (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