

PRODUCT CATALOGUE 2026

Fibre optic components

Patch cords, splitters, closures, termination and transceivers — every link from exchange to home.



Every passive link, one supplier

From the exchange rack to the customer’s wall: cords, splitters, closures, termination boxes and the optics that light them.

2005

Making patch cords & accessories since

1×2–1×64

PLC split ratios

19

Scientific transceivers, made in India

ISO 9001

2015-certified quality system

PRODUCT	PAGE
01 · PATCH CORDS & ASSEMBLIES	
Connector & cord guide	05
Patch cord range — SM & MM	06
MPO / MTP trunks & fan-outs	07
Pigtails	08
Armoured & CPRI patch cords	09
Loopbacks	10
FTTH drop patch cords	11
02 · SPLITTERS & COUPLERS	
PLC splitters	12
FBT splitters & ratio couplers	13
03 · CLOSURES & TERMINATION	
Joint closures	14
LIU / fibre management	15
Distribution & home termination boxes	16
04 · ACCESSORIES	17
05 · OPTICAL TRANSCEIVERS	18
How to specify & order	19

Cable and connectivity from one Delhi NCR maker.

Nova Cable Company (NCC) supplies optical fibre cable and the components that complete the network — patch cords, splitters, closures, termination boxes and optical transceivers — to operators, ISPs, EPC contractors and government projects. Our brands **Scientific**, **Geberit** and **TNT** reach customers across India through a national distribution network.

Patch cords and assemblies are terminated with connectors sourced from leading global manufacturers. Our **Scientific** optical transceivers are made in India. Buying cable and connectivity from one source means one specification, one delivery schedule and one point of accountability.

QUALITY POLICY

- ✓ Build to recognised international standards (IEC, ITU-T, TIA) under a certified quality management system.
- ✓ Deliver on time, at a fair cost, with test data the customer can audit.
- ✓ Specify each order to the customer's requirement — connector, polish, length and labelling.
- ✓ Improve continuously through customer feedback and process review.

1993 Company founded in New Delhi; coaxial cable manufacturing begins.

2005 Optical fibre patch cords and accessories added to the range.

2021 Optical fibre cable manufacturing begins; the range now runs up to 288F.

AT A GLANCE

ISO 9001:2015

Certified quality management system

10–12k km / month

Cable output, all products combined

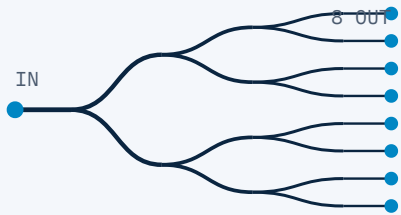
Delhi • Ghaziabad

Works at Jhilmil Industrial Area and Tronica City

One supplier for every link in the network.

Follow the signal from the central office to the customer’s home — and the NOVA product that carries it at each step.

NETWORK STAGE	NOVA PRODUCT	PAGE
Central office OLT and transceivers	Optical transceivers	p. 18
Exchange rack Fibre terminated and patched	LIU / FMS · patch cords · pigtails	p. 15 · 06 · 08
Feeder & distribution Cable run in duct or aerial	Optical fibre cable (cable catalogue)	p. —
Splice point Cables joined and sealed	Joint closures	p. 14
Splitting One fibre shared by many homes	PLC / FBT splitters in a distribution box	p. 12 · 13 · 16
Drop Last metres to the building	FTTH drop patch cords	p. 11
Home Fibre ends at the wall socket	Home termination box · patch cord	p. 16 · 06



A single feeder fibre, split 1×32 or 1×64 at a distribution box, can serve a whole street. Splitter ratio, closure capacity and drop length are the three numbers that size an FTTH build — our sales engineers will size it with you.

Connector & cord guide

SC · LC · FC · ST · MPO · UPC / APC

Choose a connector for each end, a polish, a fibre grade and a length — every cord is built to that specification.

Connector types

CONNECTOR	COUPLING	FERRULE	TYPICAL USE
SC	Push-pull, square	2.5 mm	FTTH, CATV, panels
LC	Latch, small form	1.25 mm	Switches, transceivers, high density
FC	Threaded, metal	2.5 mm	Test equipment, vibration
ST	Bayonet	2.5 mm	Legacy multimode
MPO / MTP	Multi-fibre push-on	12 / 24F	Data-centre trunks, 40/100G

Patch cord performance

OPTICAL	SM UPC	SM APC	MM
Insertion loss	≤ 0.3 dB	≤ 0.3 dB	≤ 0.3 dB
Return loss	≥ 50 dB	≥ 60 dB	≥ 30 dB
Connectors	Leading brands	Leading brands	Leading brands
Ferrule	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
Durability	≥ 500 matings	≥ 500 matings	≥ 500 matings
Operating temperature	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C

Colour code

	UPC · SM	Blue housing
	APC · SM	Green, 8° angle
	PC · MM	Beige housing
	OS2	Yellow jacket
	OM2	Orange jacket
	OM3 / OM4	Aqua jacket

≤ 0.3 dB

Insertion loss

≥ 60 dB

APC return loss

5

Connector families

≥ 500

Mating cycles

PATCH CORDS & ASSEMBLIES

Patch cord range

SINGLE-MODE & MULTIMODE · SIMPLEX & DUPLEX

Factory-terminated cords for exchanges, data rooms and customer premises, built with connectors from leading global manufacturers.



SM · LC-LC DUPLEX



SM · SC-SC DUPLEX



SM · LC-LC SIMPLEX



SM · SC-LC HYBRID



OM3 · LC-LC DUPLEX



OM4 · LC-SC DUPLEX



OM2 · LC-SC DUPLEX



MM · SC SIMPLEX

Build options

Fibre	OS2 single-mode (G.652D / G.657A1) · OM2 · OM3 · OM4
Connectors	SC · LC · FC · ST, any combination
Polish	UPC · APC (single-mode) · PC (multimode)
Construction	Simplex · duplex (zip-cord)
Cable Ø	2.0 mm · 3.0 mm; 0.9 mm for pigtails
Jacket	LSZH or PVC, colour-coded by fibre grade
Length	0.5 m upwards, made to order
Packing	Individually bagged and labelled

Ordering example

OS2 · LC/UPC – SC/APC

Duplex · 2.0 mm · LSZH

Length 3 m · Qty 500

Specify the six items on page 19 and we confirm stock or lead time.

OS2 · OM2–4

Fibre grades

0.5 m +

Lengths to order

2.0 · 3.0 mm

Cord diameter

LSZH · PVC

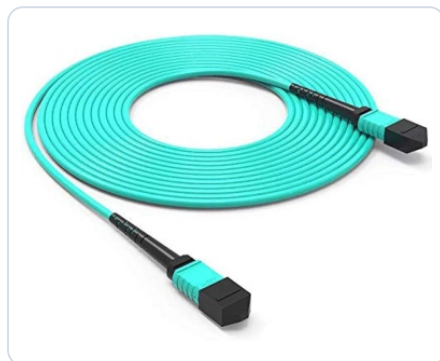
Jacket

PATCH CORDS & ASSEMBLIES

MPO / MTP trunks & fan-outs

8F • 12F • 24F • 40G / 100G READY

Multi-fibre trunks and fan-outs for data-centre backbones and parallel optics — 12 fibres in one push-on connector.



MPO-MPO TRUNK, OM3



MPO-LC FAN-OUT (12F)

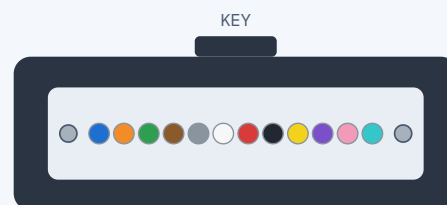


MPO-MPO TRUNK, OM4

Specifications

Fibre count	8F • 12F • 24F
Fibre	OM3 • OM4 • OS2
Gender	Male (pinned) • female
Polarity	Type A • B • C
Insertion loss	≤ 0.35 dB low-loss • ≤ 0.75 dB standard
Return loss	MM ≥ 20 dB • SM APC ≥ 60 dB
Fan-out legs	LC or SC, 0.9 / 2.0 mm
Jacket	LSZH, OM3/OM4 aqua, OS2 yellow

MPO FERRULE FACE • 12F



12 FIBRES • TIA-598 • GUIDE PINS (MALE)

12F

Fibres per connector

≤ 0.35 dB

Low-loss IL

A • B • C

Polarity types

40/100G

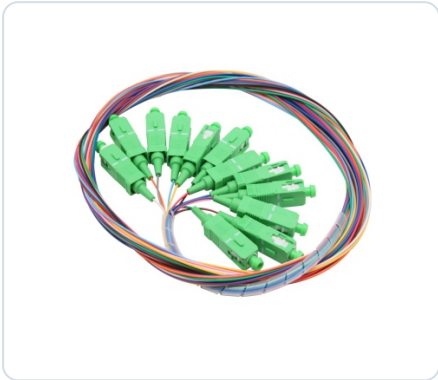
Ready

PATCH CORDS & ASSEMBLIES

Pigtails

0.9 MM • 12-COLOUR • UPC / APC

Single-ended, colour-coded pigtails for fusion splicing in termination panels and boxes.



SC/APC PIGTAILS, 12-COLOUR



FAN-OUT BUNDLE, SC & FC



SC/APC PIGTAIL SET

Specifications

Construction	0.9 mm tight-buffered, single-ended
Colours	12, TIA-598 sequence
Fibre	G.652D • G.657A1 • OM3 • OM4
Connectors	SC • LC • FC • ST – UPC / APC
Length	1.0 m • 1.5 m standard; custom
Insertion loss	≤ 0.3 dB
Return loss	UPC ≥ 50 dB • APC ≥ 60 dB • MM ≥ 30 dB
Packing	Sets of 12 / 24, bundled

Splice-ready colour sets



Pigtails are spliced onto cable fibres inside LIUs, closures and distribution boxes. Colour order matches our cable, so splicing follows one sequence end to end.

12

Colours, TIA-598

0.9 mm

Tight buffer

1.0 • 1.5 m

Standard lengths

≤ 0.3 dB

Insertion loss

PATCH CORDS & ASSEMBLIES

Armoured & CPRI patch cords

STEEL-ARMOURED · LC / SC · CELL-SITE READY

Patch cords and assemblies with a steel spiral tube under the jacket, for exposed runs and remote radio units.



ARMOURED LC DUPLEX



MULTI-FIBRE ARMOURED, SC



CPRI OUTDOOR, LC



MULTI-FIBRE ARMOURED, LC

Specifications

	ARMOURED PATCH CORD	CPRI ASSEMBLY
Construction	Steel spiral tube, aramid, LSZH jacket	Armoured, outdoor PE / LSZH jacket
Cable Ø	3.0 mm simplex · 2 × 3.0 mm duplex	4.8 mm · 8.2 mm
Fibre	SM · OM3 · OM4	SM 9/125 µm · MM OM4
Connectors	SC · LC · FC – UPC / APC	LC-LC duplex
Ingress protection	–	IP66 / IP67 · IP68 with boot
Operating temperature	–20 to +70 °C	–40 to +85 °C

Armour protects the fibre from crushing and rodents in cable trays, risers and cell-site runs — without the bulk of armoured cable. Full CPRI data is in the cable catalogue, page 13.

Rodent-resistant

Crush-resistant

Tower-ready

IP68

With boot

–40/+85 °C

CPRI range

Steel

Spiral armour

LSZH

Jacket

PATCH CORDS & ASSEMBLIES

Loopbacks

SC • LC • FC • MPO • SM & MM

Compact test loopbacks for commissioning and fault-finding on transceivers and active ports.



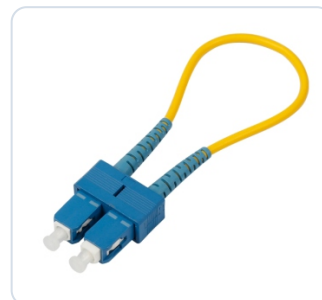
SC/UPC SM, MOULDED



SC/APC SM



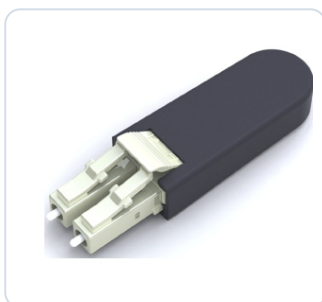
LC OM3



SC/UPC SM



MPO LOOPBACK



LC MM, MOULDED



SC MM



FC/UPC SM

Specifications

Types	Cord loop • moulded compact
Connectors	SC • LC • FC • MPO
Fibre	SM (UPC / APC) • OM2 • OM3 • OM4
Insertion loss	≤ 0.6 dB (two connectors)
Use	Transceiver, switch-port and link testing

WHY LOOPBACKS

A loopback returns a port's transmit signal to its own receiver, so technicians can test optics and equipment without a far-end partner.

4

Connector types

SM • MM

Fibre

≤ 0.6 dB

Loop loss

Moulded

Compact option

PATCH CORDS & ASSEMBLIES

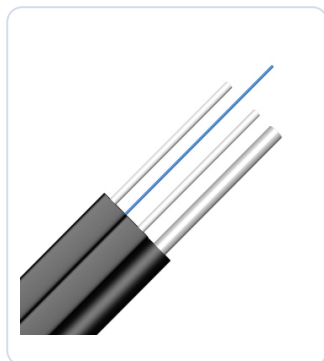
FTTH drop patch cords

1F • 2F • G.657A2 • SC/APC

Drop cable cut to length and factory-terminated, so the last connection into the home is plug-and-play.



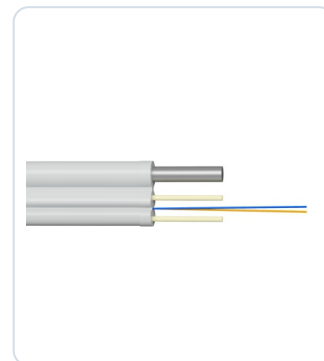
FLAT DROP, STEEL WIRE



FLAT DROP, FRP



FIGURE-8 DROP



INDOOR FLAT DROP, WHITE

Specifications

Fibre count	1F • 2F
Fibre	G.657A2, bend-insensitive
Construction	Fibre embedded in LSZH sheath between two strength members
Strength members	FRP or steel wire
Termination	SC/APC factory-terminated, one or both ends; or bare
Lengths	Pre-cut to order; up to 2,000 m per drum
Cable data	See cable catalogue, page 11

INSTALLER BENEFITS

- ✓ Small enough for tight conduits and floor access points
- ✓ Notched profile for fast fibre access
- ✓ Pre-terminated: no splicing at the customer's home

1F • 2F

Fibre count

G.657A2

Fibre

SC/APC

Termination

2,000 m

Max. per drum

SPLITTERS & COUPLERS

PLC splitters

1×2 TO 1×64 • 1260–1650 NM

Planar lightwave circuit splitters divide one fibre evenly across 2 to 64 outputs, with flat loss across every wavelength used in PON and CATV.



1×16 LGX CASSETTE, SC/UPC



1×16 LGX CASSETTE, SC/APC



1×4 LGX CASSETTE



1×8 LGX CASSETTE, SC/APC

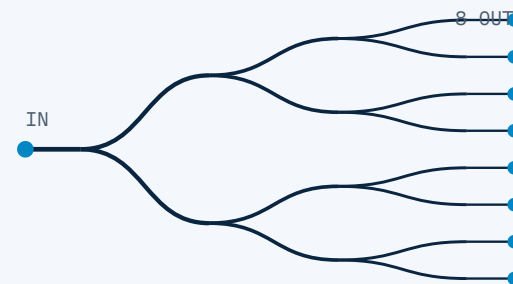
Optical performance

	1×2	1×4	1×8	1×16	1×32	1×64
Max. insertion loss, dB	3.8	7.2	10.3	13.5	16.5	20.5
Uniformity, dB	0.4	0.6	0.8	1.0	1.5	2.0
PDL, dB	0.2	0.2	0.2	0.3	0.3	0.4
Return loss, dB	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55	≥ 55

Common data

Wavelength	1260 – 1650 nm
Directivity	≥ 55 dB
Operating temperature	–20 to +80 °C
Formats	Steel-tube micro (0.9 mm) • ABS box • LGX cassette • rack
Connectors	SC • LC • FC – UPC / APC, or bare

1×8 PLC CHIP • SCHEMATIC



1×64

Max. split

≤ 20.5 dB

1×64 loss

≥ 55 dB

Return loss

1260–1650

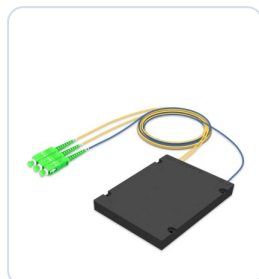
nm window

SPLITTERS & COUPLERS

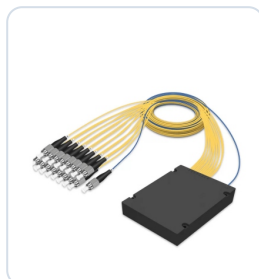
FBT splitters & ratio couplers

FUSED BICONIC TAPER • 50/50 TO 1/99

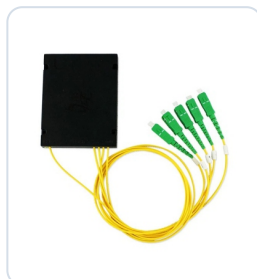
Fused couplers split light in any fixed ratio — an economical choice for low split counts, taps and monitoring.



FBT 1x2 BOX, SC/APC



FBT 1x16 BOX, FC/UPC



FBT 1x4 BOX, SC/APC



RATIO COUPLER, STEEL
TUBE



COUPLER, 2x2

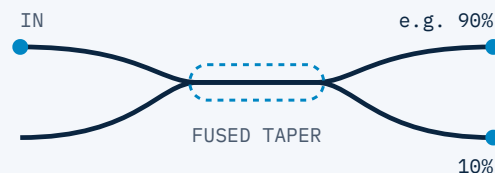
Coupler insertion loss by ratio, max.

RATIO	50/50	40/60	30/70	20/80	10/90	5/95	1/99
Port 1, dB	3.4	4.4	5.6	7.4	10.8	14.2	21.0
Port 2, dB	3.4	2.5	1.8	1.1	0.6	0.4	0.2

Common data

Wavelength	1310 • 1550 nm (dual-window)
Configurations	1x2 • 2x2 couplers; 1xN FBT boxes to 1x16
PDL	≤ 0.15 dB
Directivity	≥ 55 dB
Operating temperature	-20 to +80 °C
Connectors	SC • FC • LC – UPC / APC, or bare

FUSED BICONIC TAPER • SCHEMATIC



Unequal ratios are used for monitoring taps and uneven CATV and PON splits.

1/99–50/50

Coupling ratios

≤ 3.4 dB

50/50 loss

≥ 55 dB

Directivity

1x16

Max. FBT split

CLOSURES & TERMINATION

Joint closures

DOME · UP TO 144F · IP68

Sealed splice closures that protect joints in feeder and distribution cable, above ground or below.



DOME CLOSURE, 4 + 1 PORTS



DOME CLOSURE, COMPACT



DOME CLOSURE, HIGH COUNT



DOME CLOSURE, AERIAL

Specifications

Type	Dome (vertical), aerial · duct · direct burial · wall / pole
Capacity	Up to 144F (6 trays × 24F); 48F and 96F versions
Cable ports	1 oval (mid-span) + 4 round
Cable Ø	7 – 25 mm
Sealing	Mechanical or heat-shrink; IP68
Material	Reinforced PC / PP body, ABS trays
Size	≈ 470 × 210 mm (144F)

IN THE BOX

- ✓ Hinged splice trays with bend-radius control
- ✓ Strength-member clamps and earthing
- ✓ Re-enterable without re-sealing all ports

144F

Max. capacity

IP68

Sealing

5

Cable ports

7–25 mm

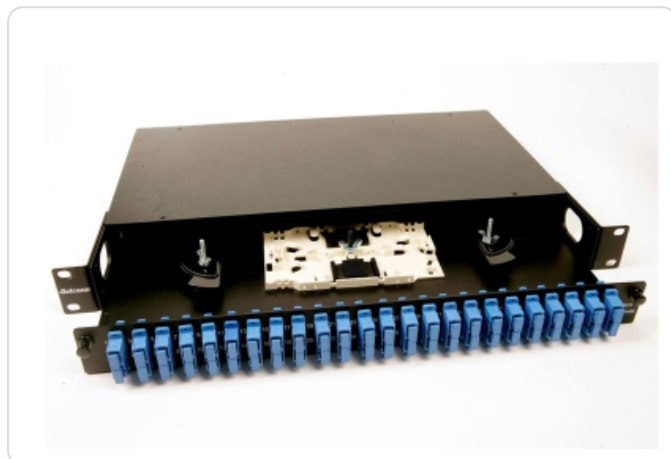
Cable Ø

CLOSURES & TERMINATION

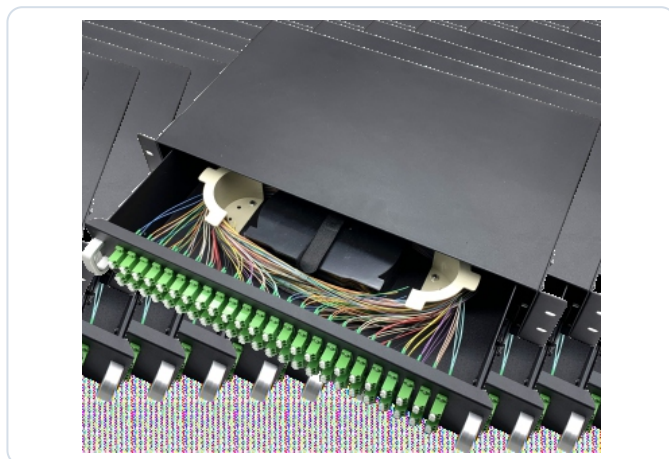
LIU / fibre management

19-INCH RACK · 12-48 PORTS

Rack-mount line interface units that terminate, splice and patch incoming fibre in one tidy drawer.



1U LIU, 24 × SC, SLIDING



1U LIU, 48 × SC/APC

Specifications

Mounting	19-inch rack, 1U / 2U; wall-mount versions
Ports	12 · 24 · 48
Adaptors	SC · LC (duplex) · FC – UPC / APC
Tray	Sliding drawer with splice trays and fibre routing
Body	Cold-rolled steel, powder-coated
Supply	Empty, or pre-loaded with adaptors and pigtails

TYPICAL USE

Terminates incoming cable in exchanges, POPs and data rooms. Cable fibres are spliced to pigtails inside; patch cords connect at the front.

1U

19-inch rack

48

Max. ports

SC · LC · FC

Adaptors

Sliding

Drawer

CLOSURES & TERMINATION

Distribution & home termination boxes

FDB · FAT · ATB · SC/APC

Street-side boxes that hold the splitter and feed the drops, and wall sockets that finish the fibre neatly inside the home.



DISTRIBUTION BOX, 16 × SC/APC



DISTRIBUTION BOX WITH SPLITTER



HOME TERMINATION BOX, 2 PORT



HOME TERMINATION BOX, 1 PORT

Specifications

	DISTRIBUTION BOX (FDB / FAT)	HOME TERMINATION BOX (ATB)
Ports	8 · 16 SC/APC	1 · 2 SC/APC
Splitter	Holds 1×8 / 1×16 PLC	—
Splicing	Splice tray included	Small splice / storage area
Mounting	Wall or pole, outdoor	Wall, indoor
Protection	IP65	—
Material	PC + ABS, UV-stable	ABS

16

Ports per FDB

IP65

Outdoor box

1×16

Splitter held

SC/APC

Connectors

ACCESSORIES

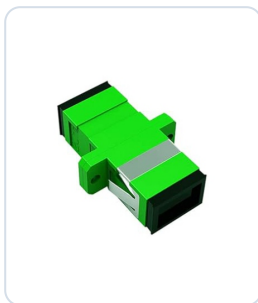
Adaptors, heat-shrink & jumpers

SC · LC · FC · 2:1 SHRINK · RG6 JUMPERS

The small parts that finish an installation: couplers for panels, tubing for sealing, and coaxial jumpers.



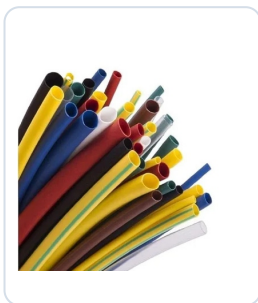
SC/UPC SM ADAPTOR



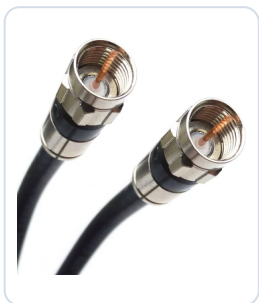
SC/APC SM ADAPTOR



SC MM ADAPTOR



HEAT-SHRINK TUBING,
ASSORTED



RG6 F-CONNECTOR
JUMPER

Fibre adaptors

Types	SC · LC (duplex) · FC – simplex / duplex
Sleeve	Zirconia (SM) · phosphor-bronze (MM)
Insertion loss	≤ 0.2 dB
Durability	≥ 500 matings
Supplied	With dust caps

Heat-shrink tubing

Shrink ratio	2:1
Sizes	Ø 1 – 15 mm
Colours	Black; assorted colours
Use	Cable sealing, insulation, strain relief

Coaxial jumpers

Cable	RG6, 75 Ω
Connectors	F-type, compression
Colours	Black · white
Lengths	To order

≤ 0.2 dB

Adaptor loss

2:1

Shrink ratio

75 Ω

Coax jumpers

SFP, SFP+, QSFP+ & QSFP28 modules

1G TO 100G · 300 M TO 120 KM · MSA FORM FACTORS

Hot-pluggable optics for switches, routers and OLTs. BiDi models carry both directions on one fibre — order them as matched pairs.

MODEL	RATE	WAVELENGTH, NM	REACH	FIBRE	CONNECTOR
1G · SFP					
SNS-3512Bi-20D	1.25G	1310 / 1550 BiDi	20 km	SM	LC simplex
SNS-3512Bi-40D	1.25G	1310 / 1550 BiDi	40 km	SM	LC simplex
SNS-4512Bi-80D	1.25G	1490 / 1550 BiDi	80 km	SM	LC simplex
SNS-4512Bi-120D	1.25G	1490 / 1550 BiDi	120 km	SM	LC simplex
SNS-1312-20D	1.25G	1310	20 km	SM	LC duplex
SNS-8512-02D	1.25G	850	500 m	MM	LC duplex
10G · SFP+					
SNX-1396-20D	10G	1310	20 km	SM	LC duplex
SNX-2396Bi-20D	10G	1270 / 1330 BiDi	20 km	SM	LC simplex
SNX-2396Bi-40D	10G	1270 / 1330 BiDi	40 km	SM	LC simplex
SNX-2396Bi-60D	10G	1270 / 1330 BiDi	60 km	SM	LC simplex
SNX-8596-03D	10G	850	300 m	MM (OM3)	LC duplex
SNX-1596-40D	10G	1550	40 km	SM	LC duplex
SNX-1596-80D	10G	1550	80 km	SM	LC duplex
SNX-1512-80D	10G	1550	80 km	SM	LC duplex
40G · QSFP+					
SNQ-40G-02	40G	850 (SR4)	100 m	MM (OM3)	MP0-12
SNQ-40G-LR4	40G	1310 band (LR4)	10 km	SM	LC duplex
SNQ-40G-ER4	40G	1310 band (ER4)	40 km	SM	LC duplex
100G · QSFP28					
SNQ-100G-SR-02	100G	850 (SR4)	150 m	MM (OM4)	MP0-12
SNQ-100G-ER4-LC	100G	1310 band (ER4 Lite)	40 km	SM	LC duplex

1G–100G

Data rates

120 km

Longest reach

19

Models

India

Made in

Tell us six things. We return a quote.

- 01

Product & quantity

e.g. 500 × duplex patch cords, 20 × 1×16 PLC splitters
- 02

Fibre grade

OS2 (G.652D / G.657A1) · OM2 · OM3 · OM4
- 03

Connectors & polish

for each end — SC / LC / FC / ST / MPO, UPC / APC
- 04

Length or capacity

cord length, split ratio, port count, closure size
- 05

Labelling & packing

your part numbers, bags, cartons
- 06

Delivery

destination, required date

CONNECTOR & JACKET COLOURS		
	UPC · SM	Blue
	APC · SM	Green
	PC · MM	Beige
	OS2	Yellow jacket
	OM2	Orange jacket
	OM3 / OM4	Aqua jacket

ALSO FROM NOVA

Optical fibre, FTTH drop, LAN, CPRI and coaxial cable — see our cable catalogue.

Send your requirement →

+91 88515 89608
info@novacablecompany.com

NOVA

CABLE COMPANY

WORKS

Jhilmil Industrial Area, Delhi
Tronica City, Ghaziabad (UP)
India

Instagram • Facebook
@novacablecompany

CONTACT

+91 88515 89608
+91 11 4268 3021
info@novacablecompany.com
www.novacablecompany.com

OUR BRANDS

Scientific • Geberit • TNT Cables