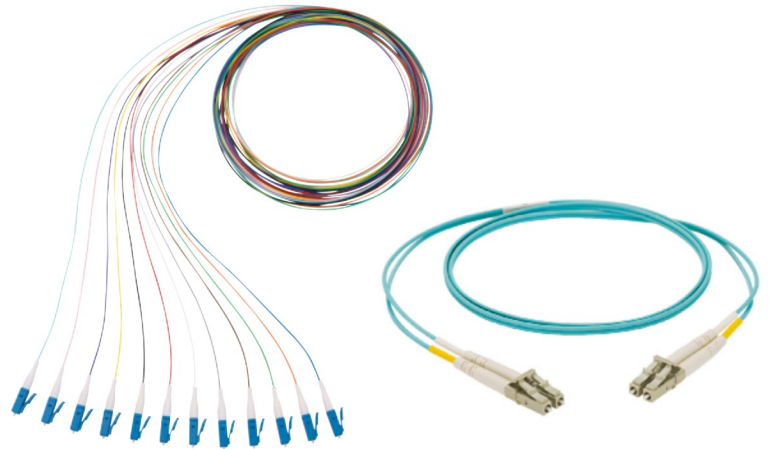## technical information

The NetKey® patch cords support network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR) and low smoke zero halogen (LSZH) rated jacket materials. In addition, pre-terminated fiber optic pigtails support fusion splice field termination applications.

Both fiber optic patch cords and pigtails are available in OM3, OM4 and OS2 fiber types. These patch cords and pigtails meet requirements of TIA/EIA-568-C.3-1. The fiber connectors are also FOCIS compliant or compatible to meet the requirements of TIA/EIA-455-21A. Quality control reference label provides lifetime traceability of test data.

applications

Provide interconnect and cross-connect of applications in entrance facilities, telecommunications rooms, data centers, and at the desk. Support network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas. Riser rated patch cords support installations that require this flame rating in specific environments.

standards

Standards requirements:	TIA/EIA 568-C.3-1 and ISO/IEC 61755-3-1
	IEC-61754-7 (International)
	TIA-604-3-A, and -10-A
	FOCIS -3, and -10

optical properties

Insertion loss:	All fiber types:	0.30dB max.
Return loss:	OS2:	50dB min.
	OM3:	26dB min.
	OM4:	26dB min.

construction

Fiber size:	Pigtails:	900µm tight-buffered fiber
	Patch Cords:	1.6mm or 3.0mm duplex jacketed zip cord cable
Cable jacket ratings:	Riser (OFNR):	Per UL 1666 and c(UL) FT-4
	Low Smoke Zero Halogen (LSZH):	Per IEC 60332-1, IEC 60754-2, IEC 61034
Connector types:	LC and SC	
Jacket color:	OS2:	Yellow
	OM3:	Aqua
	OM4:	Aqua
Fiber types:	Singlemode:	OS2
	Multimode:	OM3
		OM4

part number

Example: NKFP92ERLLSM001 = Fiber OS2, 2-fiber, 1.6mm cable, riser rated, LC duplex to LC duplex, Standard IL, 1 meter

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	N	K	F	P	9	2	E	R	L	L	S	M	0	0	1

1, 2, 3, 4 – Fiber Product

NKFP = NetKey Fiber Patchcord/ Pigtail

5 – Fiber Type

9 = OS2
X = OM3
Z = OM4

6 – Fiber Count

1 = 1-fiber
2 = 2-fiber

7 – Cable Type

B = 900µm buffer
2 = 2mm (OM4)
E = 1.6mm (OS2/OM3)
3 = 3.0mm (Only for SC to SC cords)

8 – Jacket Type

N = No jacket
(900µm tight buffered pigtail)
L = LSZH
(Low Smoke Zero Halogen)
R = OFNR (Riser)
P = Plenum

9 – Connector Type – End A

1 = LC
3 = SC
A = LC with short boot
B = LC duplex with short boot
D = SC duplex with short boot
L = LC duplex
S = SC duplex

10 – Connector Type – End B

1 = LC
3 = SC
A = LC with short boot
B = LC duplex with short boot
D = SC duplex with short boot
L = LC duplex
S = SC duplex
N = Pigtail (no connector)

11 – Polarity or Jacket Color*

S = Standard A-B
T = Polarity A-A
N = No variant (Simplex)
K = 12 color pigtail kits
X = Non-Standard
Y = Standard A-B, no clip, 30cm breakout
Z = Standard A-B, no clip

B = Blue
G = Gray
J = Rose
O = Orange
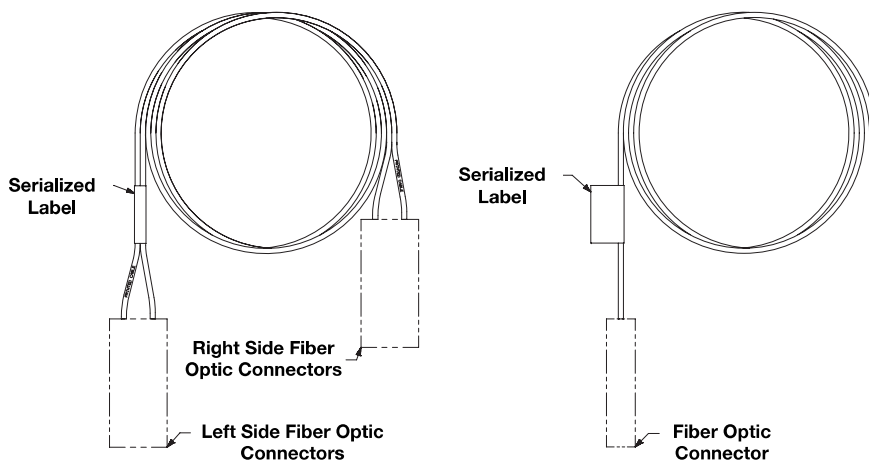P = Pastel Green
R = Red
V = Violet

* Jacket Color MOQ 1Km

12 – Unit of Length or Bulk Pack

M = Meters
T = Meters (10-pack)
Q = Meters (25-pack)

13, 14, 15 – Length

001 – 050
Half meter lengths upon request

NetKey® Patch Cord

Serialized Label

Right Side Fiber Optic Connectors

Left Side Fiber Optic Connectors

Serialized Label

Fiber Optic Connector

Simplex LC

Simplex SC

Duplex LC

Duplex SC

PANDUIT®