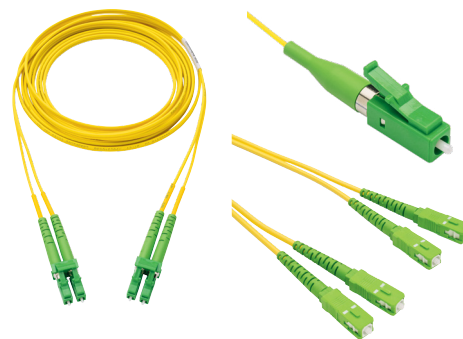


Opti-Core® Fiber Optic Patch Cords and Pigtails LC/APC and SC/APC

technical information

The Opti-Core® LC/APC and SC/APC patch cords support singlemode 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 OS2 fiber.



application

Provide interconnect and cross-connect of applications in entrance facilities, telecommunications rooms, data centers, at the desk and network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas.

construction

Fiber count:	Simplex (1-fiber) tight buffered Duplex (2-fiber) jacketed zipcord
Cable jacket ratings:	Riser (OFNR) Low Smoke Zero Halogen (LSZH)
Fiber types:	Singlemode: OS2/A2 (25G) 1.6mm O.D. G.657.A2/B2 3.0mm O.D. G.652.D
Connector types end 'A':	Simplex or Duplex LC/APC, SC/APC
Connector type end 'B':	Simplex or Duplex LC/APC, SC/APC
Jacket color:	Yellow

physical properties

Cable outside diameter (OD):	1.6mm duplex and simplex 3mm duplex and simplex 900 micron tight buffered
Connector cable retention:	50 N @ 0°C 19.4 N @ 90°C
Connector durability:	500 cycles
Bend radius, minimum:	1.6mm: 16mm 3mm: 29mm 900 micron: 9mm

optical properties

Connector insertion loss (IL):	0.30dB max. LC/APC 0.50dB max. SC/APC
Connector return loss (RL):	65dB min.

environmental properties

Storage and shipping temperature:	-40°C to 70°C
Operating and installation temperature:	-10°C to 60°C

standards

Meets or exceeds:	IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2, TIA-604-3 (FOCIS-3), TIA-604-10 (FOCIS-10), TIA 568.3-C.3
Restriction of Hazardous Substances (RoHS) Compliance:	All patch cord components meet the requirements of Directive 2002/95/EC.

Opti-Core® Fiber Optic Patch Cords and Pigtails LC/APC and SC/APC

part number

Example: F92ERB1B1SNM5.5 = Fiber OS2, 2-fiber, 1.6mm cable, riser rated, LC/APC to LC/APC, standard IL, 5.5 meters

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	9	2	E	R	B	1	B	1	S	N	M	5	.	5

1 – Fiber Product

F = Fiber

2 – Fiber Type

9 = OS2

3 – Fiber Count

1 = 1 Fiber

2 = 2 Fibers

4 – Cable Type

B = 900µm buffer

E = 1.6mm

3 = 3.0mm (only for SC-SC/APC or SC/APC-SC/APC)

5 – Jacket Type

L = LSZH (Low Smoke Zero Halogen)

R = OFNR (Riser)

N = 900µm buffer

6, 7, 8, 9 – Connector Type

1NAN = LC to SC/APC Simplex only

1NB1 = LC to LC/APC Simplex only

3NAN = SC to SC/APC Simplex only

3NB1 = SC to LC/APC Simplex only

ANAN = SC/APC to SC/APC

ANB1 = SC/APC to LC/APC

ANLN = SC/APC to LC

ANSN = SC/APC to SC

B1B1 = LC/APC to LC/APC

B1LN = LC/APC to LC

B1SN = LC/APC to SC

ANNN = SC/APC Pigtail Simplex

B1NN = LC/APC Pigtail Simplex

10 – Performance/Construction

S = Standard IL (A-B)

11 – Other

N = No variant

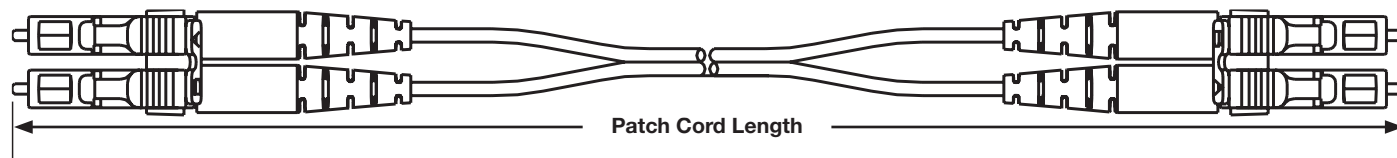
12 – Unit of Length

M = Meters

13, 14, 15 – Length

0.5 - 050 in 1 meter increments

fiber optic patch cord detail



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®

© 2023 Panduit Corp.
ALL RIGHTS RESERVED.
FBSP110--WW-ENG
11/2023

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Panduit:](#)

F91ERB1B1SNM039	F91ERB1B1SNM014	F91ERB1B1SNM024	F91ERB1B1SNM040	F91ERB1B1SNM050
F91ERB1B1SNM032	F91ERB1B1SNM025	F91ERB1B1SNM017	F91ERB1B1SNM049	F91ERB1B1SNM042
F91ERB1B1SNM016	F91ERB1B1SNM034	F91ERB1B1SNM041	F91ERB1B1SNM027	F91ERB1B1SNM030
F91ERB1B1SNM044	F91ERB1B1SNM028	F91ERB1B1SNM023	F91ERB1B1SNM048	F91ERB1B1SNM026
F91ERB1B1SNM022	F91ERB1B1SNM031	F91ERB1B1SNM012	F91ERB1B1SNM013	F91ERB1B1SNM045
F91ERB1B1SNM029	F91ERB1B1SNM046	F91ERB1B1SNM011	F91ERB1B1SNM043	F91ERB1B1SNM047
F91ERB1B1SNM035	F91ERB1B1SNM019	F91ERB1B1SNM036	F91ERB1B1SNM038	F91ERB1B1SNM018
F91ERB1B1SNM037	F91ERB1B1SNM021	F91ERB1B1SNM033	F92ERB1B1SNM007	F92ERB1B1SNM020
F92ERB1B1SNM037	F92ERB1B1SNM4.5	F92ERB1B1SNM016	F92ERB1B1SNM043	F92ERB1B1SNM050
F92ERB1B1SNM2.5	F92ERB1B1SNM038	F92ERB1B1SNM7.5	F92ERB1B1SNM009	F92ERB1B1SNM006
F92ERB1B1SNM021	F92ERB1B1SNM023	F92ERB1B1SNM040	F92ERB1B1SNM003	F92ERB1B1SNM010
F92ERB1B1SNM028	F92ERB1B1SNM042	F92ERB1B1SNM013	F92ERB1B1SNM014	F92ERB1B1SNM044
F92ERB1B1SNM012	F92ERB1B1SNM029	F92ERB1B1SNM004	F92ERB1B1SNM5.5	F92ERB1B1SNM031
F92ERB1B1SNM045	F92ERB1B1SNM046	F92ERB1B1SNM030	F92ERB1B1SNM048	F92ERB1B1SNM032
F92ERB1B1SNM049	F92ERB1B1SNM019	F92ERB1B1SNM026	F92ERB1B1SNM1.5	F92ERB1B1SNM008
F92ERB1B1SNM033	F92ERB1B1SNM8.5	F92ERB1B1SNM0.5	F92ERB1B1SNM027	F92ERB1B1SNM9.5
F92ERB1B1SNM011	F92ERB1B1SNM018	F92ERB1B1SNM041	F92ERB1B1SNM025	F92ERB1B1SNM002
F92ERB1B1SNM034	F92ERB1B1SNM036	F92ERB1B1SNM015	F92ERB1B1SNM047	F92ERB1B1SNM017
F92ERB1B1SNM035	F92ERB1B1SNM3.5	F92ERB1B1SNM005	F92ERB1B1SNM022	F92ERB1B1SNM024
F92ERB1B1SNM039	F92ERB1B1SNM6.5			