

technical information

Fiber optic patch cords provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk. Patch cords support network applications in main, horizontal and equipment distribution areas and are available in plenum (OFNP), and low smoke zero halogen (LSZH) rated jacket materials to comply with local cabling ordinances. Fiber optic patch cords involving CS connectors are available in OM4, OS2 fiber types to meet the demands of 100G/200G/400G interconnect applications.



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: 2 - Fiber round

Cable jacket ratings: Plenum (OFNP)
Low Smoke Zero Halogen (LSZH) per:
IEC 60332-1-2, IEC 60332-3-24, IEC
60754-1, IEC 60754-2, IEC 61034-2

Fiber types: Singlemode: OS2 9/125µm
Multimode: OM4 50/125µm

Connector types end 'A': CS, Uniboot LC

Jacket color: OS2: Yellow
OM4: Aqua

Connector types end 'B': CS

Note: For hybrid cords, the CS connector is always on End B.

physical properties

Cable outside diameter (OD): 2mm duplex

Connector cable retention: 50N @ 0°C
19.4N @ 90°C

Connector durability: 500 cycles

Bend radius, min long-term: 20mm: 40mm

optical properties

Connector insertion loss: 0.15dB max. (Multimode - Optimized IL)
0.10db max. (Multimode - Ultra IL)
0.25dB max. (Singlemode - Optimized IL)

Connector return loss: 26dBmin. (OM4)
55dB min. (OS2)

environmental properties

Storage and shipping temperature: -40°C to 70°C

Operating and installation temperature: 0°C to 60°C

standards

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, ANSI/TIA-604-19(FOCIS-19)

Restriction of Hazardous Substances (RoHS) Compliance: All patch cord components meet the requirements of Directive 2002/95/EC.

Opti-Core® Fiber Optic Patch Cords

part number

Example: F92RPZNNZNF003 = Fiber OS2, 2-fiber, 2mm cable, plenum rated, CS to CS, optimized IL, 3 feet

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	9	2	R	P	Z	N	Z	N	O	N	F	0	0	3

1 – Fiber Product

F = Fiber

2 – Fiber Type

Z = OM4 50/125µm

9 = OS2 9/125µm

3 – Fiber Count

2 = 2 fibers

4 – Cable Type

R = Round 2.0mm

5 – Jacket Type

L = LSZH (Low Smoke Zero Halogen)

P = OFNP (Plenum)

6 – Connector Type - End A

U = LC Duplex Uniboot

Z = CS Duplex Connector

7 – Connector Variant

N = No variant

8 – Connector Type - End B

Z = CS Duplex Connector

9 – Connector Variant

N = No variant

10 – Performance/Construction

O = Optimized IL (A-B)

N = Ultra (A-B)

11 – Other

N = No variant

12 – Unit of Length

M = Meters

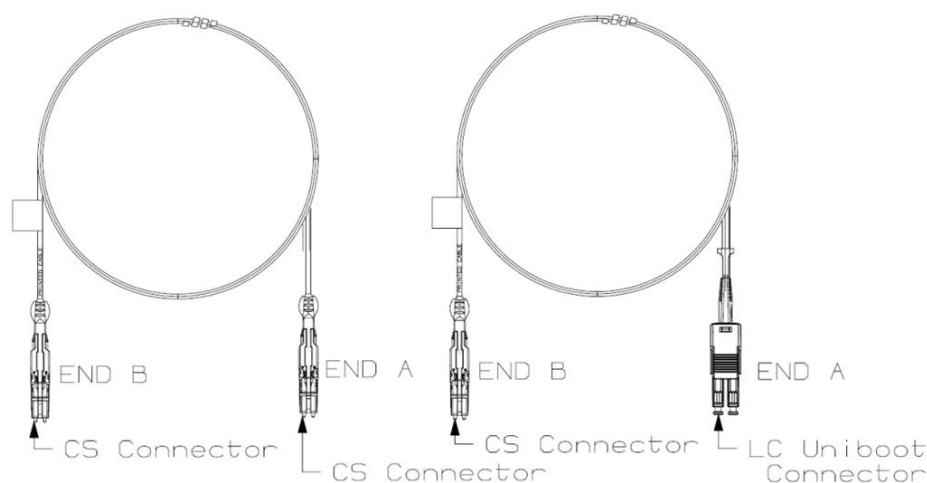
F = Feet

13, 14, 15 – Length

001-050

Note: For hybrid cords, the CS connector is always on End B.

fiber optic patch cord detail



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
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®

©2020 Panduit Corp.
ALL RIGHTS RESERVED.
FBSP54--WW-ENG
8/2020

Mouser Electronics

Authorized Distributor

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

[Panduit:](#)

FZ2RPU1ZNONM031	FZ2RPU1ZNONM8.5	FZ2RPZNZNNNM005	FZ2RPZNZNNNM007	FZ2RPZNZNNNM037
FZ2RPZNZNNNM041	FZ2RPU1ZNNNM027	FZ2RPU1ZNNNM2.5	FZ2RPU1ZNNNM7.5	FZ2RPU1ZNONM022
FZ2RPU1ZNONM033	FZ2RPU1ZNONM6.5	FZ2RPZNZNNNM032	FZ2RPZNZNNNM039	FZ2RPZNZNONM6.5
FZ2RPU1ZNNNM012	FZ2RPU1ZNNNM046	FZ2RPU1ZNONM018	FZ2RPU1ZNONM035	FZ2RPU1ZNONM037
FZ2RPZNZNNNM8.5	FZ2RPU1ZNNNM021	FZ2RPU1ZNONM011	FZ2RPU1ZNONM028	FZ2RPU1ZNONM029
FZ2RPZNZNNNM0.5	FZ2RPZNZNNNM001	FZ2RPZNZNNNM019	FZ2RPZNZNNNM036	FZ2RPZNZNNNM1.5
FZ2RPZNZNONM006	FZ2RPU1ZNONM036	FZ2RPU1ZNONM038	FZ2RPU1ZNONM3.5	FZ2RPZNZNNNM9.5
FZ2RPZNZNONM007	FZ2RPU1ZNNNM029	FZ2RPU1ZNNNM048	FZ2RPU1ZNONM020	FZ2RPU1ZNONM4.5
FZ2RPZNZNNNM009	FZ2RPZNZNNNM043	FZ2RPZNZNNNM045	FZ2RPU1ZNNNM003	FZ2RPU1ZNNNM020
FZ2RPU1ZNNNM039	FZ2RPU1ZNONM043	FZ2RPU1ZNONM046	FZ2RPZNZNNNM033	FZ2RPU1ZNNNM017
FZ2RPU1ZNNNM024	FZ2RPU1ZNNNM042	FZ2RPU1ZNONM032	FZ2RPZNZNNNM015	FZ2RPZNZNONM0.5
FZ2RPU1ZNNNM007	FZ2RPU1ZNNNM009	FZ2RPU1ZNNNM034	FZ2RPU1ZNONM008	FZ2RPU1ZNONM017
FZ2RPU1ZNONM040	FZ2RPZNZNNNM016	FZ2RPZNZNNNM023	FZ2RPZNZNONM8.5	FZ2RPZNZNONM001
FZ2RPZNZNONM008	FZ2RPU1ZNNNM010	FZ2RPU1ZNNNM049	FZ2RPU1ZNONM0.5	FZ2RPU1ZNONM007
FZ2RPU1ZNONM025	FZ2RPU1ZNONM050	FZ2RPU1ZNONM7.5	FZ2RPZNZNNNM022	FZ2RPZNZNNNM040
FZ2RPZNZNNNM047	FZ2RPZNZNONM3.5	FZ2RPU1ZNNNM001	FZ2RPU1ZNNNM008	FZ2RPU1ZNNNM019
FZ2RPU1ZNONM016	FZ2RPU1ZNONM023	FZ2RPU1ZNONM9.5	FZ2RPZNZNNNM006	FZ2RPZNZNNNM024
FZ2RPZNZNNNM038	FZ2RPZNZNNNM049	FZ2RPZNZNONM1.5	FZ2RPU1ZNNNM035	FZ2RPU1ZNONM014
FZ2RPU1ZNONM039	FZ2RPZNZNNNM004	FZ2RPZNZNNNM029	FZ2RPZNZNNNM4.5	FZ2RPZNZNONM004
FZ2RPZNZNONM5.5	FZ2RPU1ZNNNM028	FZ2RPU1ZNNNM047	FZ2RPU1ZNONM002	FZ2RPU1ZNONM019