

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

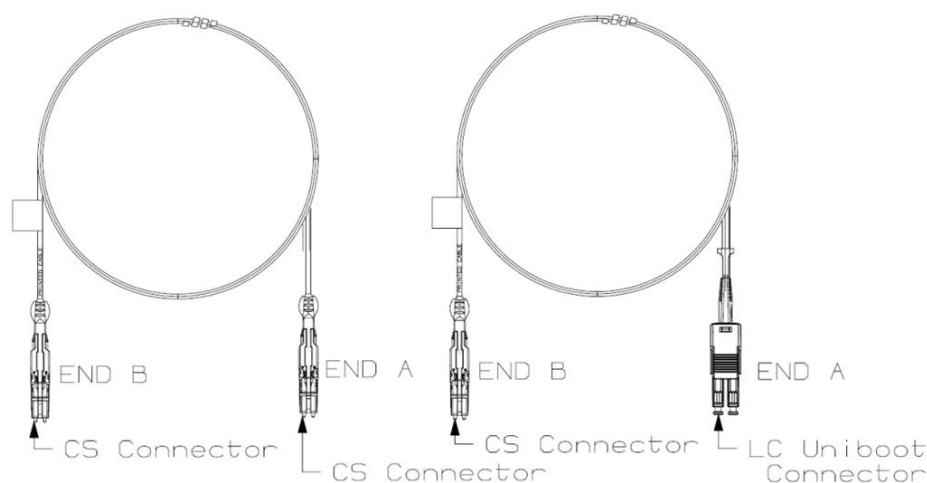
F = Feet

13, 14, 15 – Length

001-050

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

fiber optic patch cord detail



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