

## technical information

The Opti-Core® patch cords with CS connectors 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. Fiber patch cords with CS connectors are available OM4 and OS2 fiber types to meet the demands of 100G, 200G and 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

<b>Fiber count:</b>	Duplex (2-fiber) Round	
<b>Cable jacket ratings:</b>	Plenum (OFNP) Low Smoke Zero Halogen (LSZH)	
<b>Fiber types:</b>	Singlemode: OS2 Multimode: OM4	
<b>Connector types end 'A':</b>	CS, Uniboot LC	
<b>Jacket color:</b>	OS2:	Yellow
	OM4:	Aqua
<b>Connector types end 'B':</b>	CS	

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

## physical properties

<b>Cable outside diameter (OD):</b>	2.0mm
<b>Connector cable retention:</b>	50N @ 0°C 19.4N @ 90°C
<b>Connector durability:</b>	500 cycles
<b>Bend radius Min:</b>	20mm

## environmental properties

<b>Storage and shipping temperature:</b>	-40°C to 70°C
<b>Operating and installation temperature:</b>	0°C to 60°C

## optical properties

<b>Connector insertion loss (IL):</b>	Optimized: 0.15dB max (OM4) 0.25dB max (OS2) Ultra: 0.10dB max (OM4)
<b>Connector return loss (RL):</b>	26dB min (OM4) 55dB min (OS2)

## standards

<b>Meets or exceeds</b>	IEC 60332-1-2 IEC 60332-3-24 IEC 60754-1 IEC 60754-2 IEC 61034-2 TIA-604-19 (FOCIS-19) TIA 568.3-C.3 ISO/IEC 11801 Ed 3
<b>Restriction of Hazardous Substances (RoHS) Compliance:</b>	All patch cord components meet the requirements of Directive 2002/95/EC.

# Opti-Core® Fiber Optic Patch Cords (CS to CS, CS to LC)

## part number

Example: F92RPZNNONF003 = 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

9 = OS2

### 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

1 = UPC

2 = APC

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

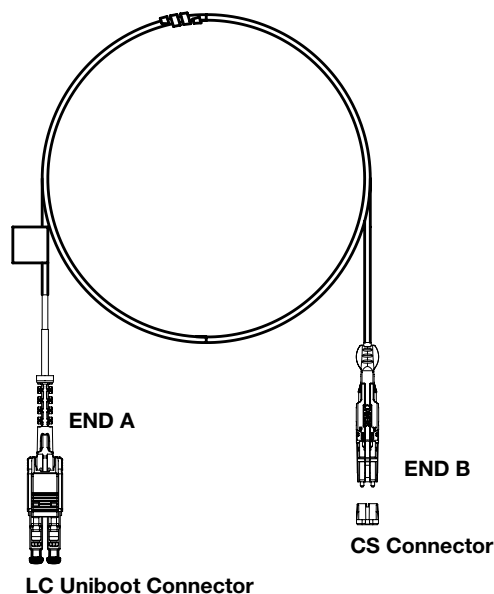
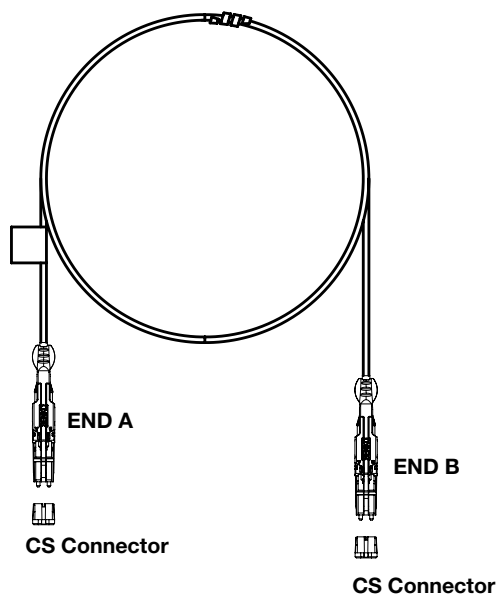
F = Feet

### 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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<a href="#">F92RLZNZNMM037</a>	<a href="#">FZ2RLU1ZNNMM045</a>	<a href="#">FZ2RLU1ZNONMM012</a>	<a href="#">FZ2RLU1ZNONMM042</a>	<a href="#">FZ2RLU1ZNNMM011</a>
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<a href="#">F92RLU1ZNONMM031</a>	<a href="#">FZ2RLU1ZNNMM013</a>	<a href="#">FZ2RLU1ZNNMM036</a>	<a href="#">FZ2RLU1ZNNMM038</a>	<a href="#">FZ2RLU1ZNONMM017</a>
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<a href="#">FZ2RLU1ZNONMM004</a>	<a href="#">FZ2RLU1ZNONMM008</a>	<a href="#">FZ2RLU1ZNONMM021</a>	<a href="#">FZ2RLU1ZNONMM023</a>	<a href="#">F92RLZNZNMM026</a>
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<a href="#">F92RLU1ZNONMM026</a>	<a href="#">F92RLU1ZNONMM027</a>	<a href="#">F92RLU1ZNONMM041</a>	<a href="#">F92RLU1ZNONMM9.5</a>	<a href="#">FZ2RLU1ZNNMM008</a>
<a href="#">FZ2RLU1ZNNMM009</a>	<a href="#">FZ2RLU1ZNNMM8.5</a>	<a href="#">FZ2RLU1ZNONMM016</a>	<a href="#">FZ2RLU1ZNONMM030</a>	<a href="#">FZ2RLU1ZNONMM031</a>
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<a href="#">F92RLU1ZNONMM0.5</a>	<a href="#">F92RLU1ZNONMM1.5</a>	<a href="#">FZ2RLU1ZNNMM016</a>	<a href="#">FZ2RLU1ZNONMM024</a>	<a href="#">FZ2RLU1ZNONMM041</a>
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<a href="#">FZ2RLU1ZNNMM9.5</a>	<a href="#">FZ2RLU1ZNONMM013</a>	<a href="#">F92RLU1ZNONMM009</a>	<a href="#">FZ2RLZNZNMM003</a>	<a href="#">FZ2RLZNZNMM039</a>
<a href="#">FZ2RLZNZNMM3.5</a>	<a href="#">FZ2RLZNZNMM004</a>	<a href="#">FZ2RLZNZNMM011</a>	<a href="#">FZ2RLZNZNMM018</a>	<a href="#">FZ2RLZNZNMM029</a>