



PRODUCT INFORMATION IllumiCore®+ Patch Cords

IllumiCore®+ solutions are premium optical performance products exclusively made in the United States of America, and exceed all industry standards and specifications. Premium components are sourced from sustainable sources to ensure no supply chain interruptions due to world events.

IllumiCore®+ patch cords, exclusively feature Corning® optical fiber, are made in the USA and imprinted with an American UL file number for traceability. Ultra low loss connector performance, bend-insensitive fiber, and enhanced optical transmission performance are standard elements. The typical connector performance is .07dB insertion loss.

Connector Performance Specifications

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
Single-mode LC	≤0.07 dB	0.20 dB	≥55 dB
Single-mode LC/APC	≤0.07 dB	0.10 dB	≥65 dB
Single-mode SC	≤0.07 dB	0.30 dB	≥55 dB
Single-mode SC/APC	≤0.07 dB	0.25 dB	≥65 dB
Single-mode MDC	≤0.07 dB	≤0.15 dB	≥20 dB
Multimode LC	≤0.07 dB	0.20 dB	≥25 dB
Multimode SC	≤0.07 dB	0.30 dB	≥55 dB
Multimode MDC	≤0.07 dB	≤0.15 dB	≥20 dB

Connector Compliances

- LC Connectors, TIA/EIA-604-10
- SC Connectors, TIA/EIA-604-3

MDC COMPLIANCES

- Telecordia GR-326
- TIA-568
- Meets IEC-61753-1 Grade B IL requirements

COMPONENTS RATED UL94 V-0

Product Specifications

Product Type	IllumiCore®+ Patch Cords
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	1F / 2F
Connector Type	LC / SC
Color	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green



To order or for more info, please contact our sales team:

Call: +1 (941) 244-0935

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Standard and Compliances

Single-mode OS2

The standard single-mode offering is a 10mm OS2 bend insensitive fiber. Bend performances of 7.5mm and 5.0mm are also available.

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-CAAB
- TIA-568-C.3
- TIA-568-D

NUMERICAL APERTURE

- .14 (characterized)

AVAILABLE FIBER TYPES

- Corning[®] SMF-28[®] Ultra optical fiber compliant to G.657.A1, 10mm BR
- Corning[®] ClearCurve[®] LBL optical fiber compliant to G.657.A2/B2, 7.5mm BR
- Corning[®] ClearCurve[®] ZBL optical fiber compliant to G.657.B3, 5mm BR

Multimode 62.5µm OM1

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-AAAA-A
- TIA-568-C.3
- TIA-568-D
- ISO/IEC 11801 Type OM1
- IEC 60793-10 UL1666

NUMERICAL APERTURE

- $.275 \pm 0.015$

AVAILABLE FIBER TYPES

- 62.5µm OM1 (standard offering for OMNIA[®] and IllumiCore[®])

Multimode 50µm OM3 / OM4 / OM5

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA-568-C.3
- TIA-568-D
- IEC 60793-10 UL1666

NUMERICAL APERTURE

- $.20 \pm 0.015$

AVAILABLE FIBER TYPES (7.5mm Bend Radius)

- Corning[®] ClearCurve[®] OM3 optical fiber compliant to TIA492-AAAC-B, A1a.2 to IEC60793-2-10
- Corning[®] ClearCurve[®] OM4 optical fiber compliant to TIA492-AAAD, A1a.3 to IEC60793-2-10
- Corning[®] ClearCurve[®] OM5 optical fiber compliant to TIA492-AAAE, A1-OM5 to IEC60793-2-10

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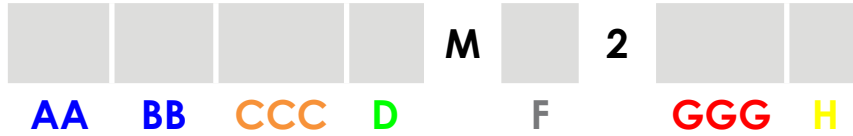
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Part Number Configurator



AA & BB	Select Connectors
07	MDC Premium Low Loss Duplex
08	MDC/APC Premium Low Loss Duplex
33	LC Premium Low Loss Simplex
34	LC Premium Low Loss Duplex
37	LC/APC Premium Low Loss Simplex
39	LC/APC Premium Low Loss Duplex
63	SC Premium Low Loss Simplex
64	SC Premium Low Loss Duplex
67	SC/APC Premium Low Loss Simplex
68	SC/APC Premium Low Loss Duplex

CCC	Select Fiber Count
001 - 002	
D	Select Fiber Type
Y	Single-mode OS2 10.0mm BIF
Z	Single-mode OS2 5.0mm BIF
G	50µm OM3 7.5mm BIF
M	50µm OM4 7.5mm BIF
W	50µm OM5 WBMMF 7.5mm BIF
M	Micro 250 Reduced Diameter

F	Select Jacket Color
B	Blue
N	Orange
G	Green
W	Brown
T	Slate
H	White
R	Red
K	Black
Y	Yellow
V	Violet
S	Rose
A	Aqua
L	Lime Green
2	Plenum
GGG	Select Length
001 - 999	
H	Select Unit of Measure
F	Feet
M	Meter
N	Inches

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