PRODUCT INFORMATION

Patch Cords

Standard

DMSI offers the broadest selection of cable assemblies in the industry featured under two product brands: IllumiCore® and OMNIA®. IllumiCore® cables exclusively feature Corning® optical fiber, are made in the USA, and are UL listed. OMNIA® features all the high-quality components and performance of IllumiCore®, with a significant upgrade in installation-friendly features for hardware and trunk cabling as well as a larger selection of cable types. Low loss connector performance and bend-insensitive fiber (50µm and Single-mode) are standard offerings for both families. For more details on OMNIA® features please see the hardware section.

All cable assemblies are manufactured using component materials that meet the EU RoHS and REACH directive standards. Cables are available in TIA standard or special-order colors.

Cable construction types include tight buffer distribution, micro-250, ribbon, breakout, and zipcord. Any cable construction type can be ordered with interlocking armor. Jack-et ratings are available in Plenum (OFNP), Riser (OFNR), and LSZH. Connector types in-clude standard single and two fiber connectors, keyed LC and MTRJ, and a complete offering of secure solutions color coded non-keyed.

Features

- Standard patch cords are dual ended with industry standard SC, LC, ST, FC or MTRJ connectors.

Connector Compliances

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

Connector Performance

CONNECTOR	MAX IL	RL
Single-mode LC	0.20 dB	≥55 dB
Single-mode LC/APC	0.20 dB	≥65 dB
Single-mode SC	0.20 dB	≥55 dB
Single-mode SC/APC	0.20 dB	≥65 dB
Single-mode ST	0.20 dB	≥55 dB
Single-mode FC	0.20 dB	≥55 dB
Single-mode FC/APC	0.20 dB	≥65 dB
Single-mode MTRJ	0.75 dB	≥65 dB
Multimode LC	0.20 dB	≥40 dB
Multimode SC	0.20 dB	≥25 dB
Multimode ST	0.20 dB	≥25 dB
Multimode FC	0.20 dB	≥25 dB

Product Specifications

Product Type	Standard Patch Cords
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	2F
Connector Type	LC Duplex, Standard Dust Caps / SC Duplex, Standard Dust Caps
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
Email: info@dmsimfg.com

PRODUCT INFORMATION

Patch Cords

Standard

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

AVAILABLE FIBER TYPES

- Optical fiber compliant to G.657.A1, 10mm BR
- Optical fiber compliant to G.657.A2/B2, 7.5mm BR
- 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

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

AVAILABLE FIBER TYPES (7.5mm Bend Radius)

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

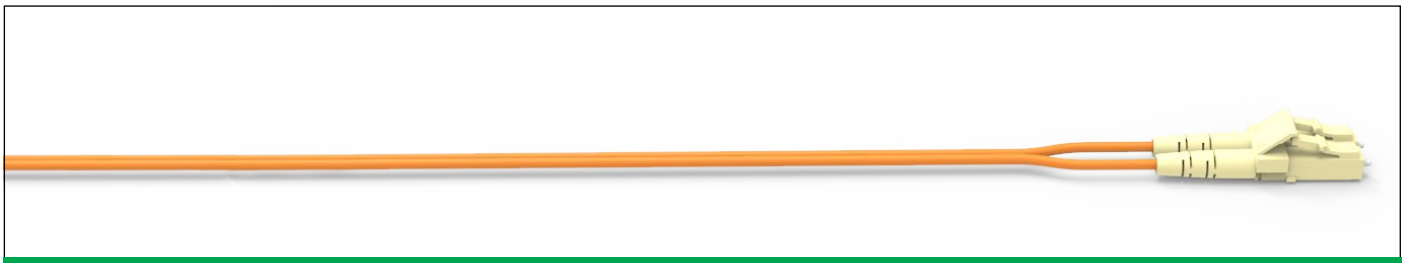
To order or for more info, please contact our sales team:

Call: +1 (941) 244-0935
Email: info@dmsimfg.com

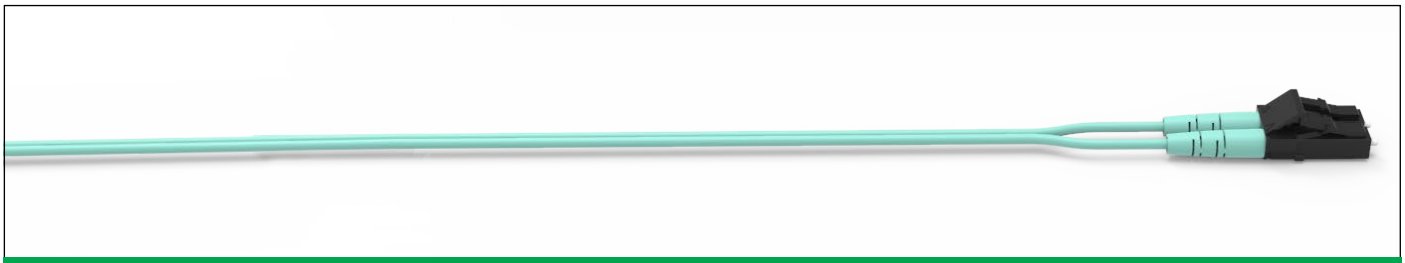
PRODUCT INFORMATION

Patch Cords

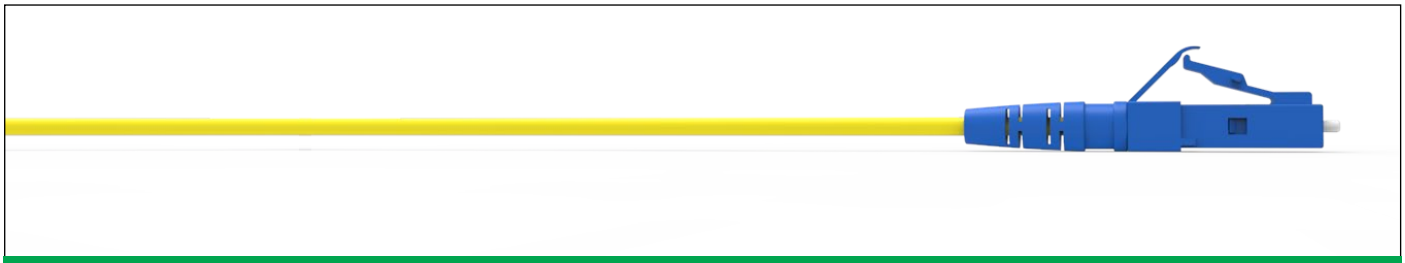
Standard



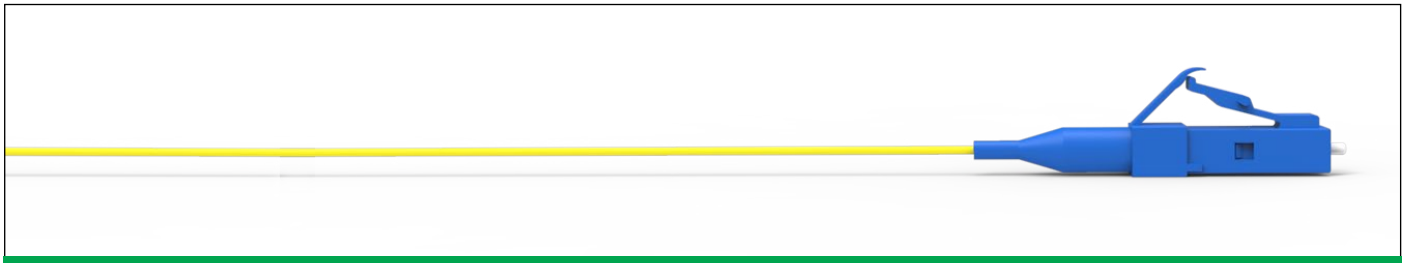
LC 2.0mm Duplex, 2F zipcord 2.0mm, 62.5µm OM1



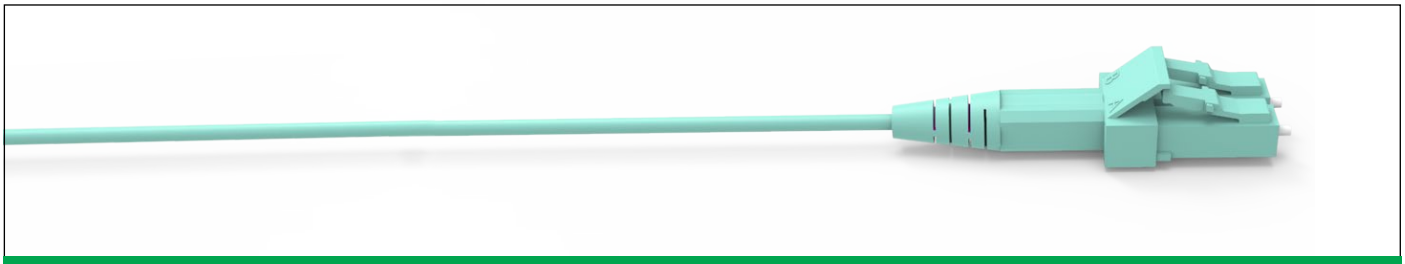
LC 2.0mm Duplex, 2F zipcord 2.0mm, 50µm OM3



LC 2.0mm Simplex, OS2



LC 900µm Simplex, OS2



LC Reversible Uniboot, 2F Micro 2.0mm, OM4

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

Call: +1 (941) 244-0935
Email: info@dmsimfg.com

MADE IN USA BAA COMPLIANT REACH COMPLIANT RoHS COMPLIANT TAA COMPLIANT

PRODUCT INFORMATION

Patch Cords

Standard

Part Number Configurator

AA	BB	CCC	D	E	F	G	HHH	I

AA & BB	Select Connectors
00	Pigtail
21	FC
28	FC/APC
30	LC Simplex
31	LC Duplex
38	LC/APC Duplex
39	LC/APC Simplex
3U	LC Reverse Polarity Uniboot*
P1	LC Push-Pull Uniboot*
60	SC Simplex
61	SC Duplex
65	SC/APC Simplex
68	SC/APC Duplex
67	ST
44	MTRJ Non-pinned
47	MTRJ Pinned

CCC	Select Fiber Count
001 or 002	

D	Select Fiber Type
Y	Single-mode OS2 10mm bend (standard)
L	Single-mode OS2 7.5mm bend
Z	Single-mode OS2 5.0mm bend
F	OM1
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)

E	Select Cable Construction
1	1.6mm
2	2.0mm
3	3.0mm
M	2.0mm Micro 250
9	900µm Buffered (simplex only)
R	2F Round, 3.0mm

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

G	Select Cable Type
2	Indoor, OFNP (Plenum)
9	Indoor, OFNR (Riser)
Z	Indoor, LSZH
N	Indoor/Outdoor, OFNR (Riser)
T	Indoor/Outdoor, OFNP (Plenum)
H	Indoor/Outdoor LSZH Non-Armored

HHH	Select Length
001 - 999	

I	Select Unit of Measure
F	Feet
M	Meter
N	Inches

*LC Push-Pull and Reverse Polarity Uniboots are manufactured using a 2.0mm micro 250 cable

**OM5 standard jacket color is lime green. Other colors are available upon request.

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

Call: +1 (941) 244-0935
Email: info@dmsimfg.com

MADE IN USA BAA COMPLIANT REACH COMPLIANT RoHS COMPLIANT TAA COMPLIANT