



PRODUCT INFORMATION IllumiCore[®]+ Multi-Fiber Trunks

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[®]+ multi-fiber trunk cables are available in three construction types with any color outer jacket: tight buffer distribution, micro-250, and ribbon. Each construction can be armored or non-armored. Jacket ratings are available in Plenum (OFNP), Riser (OFNR), and LSZH.

Connector Performance Specifications

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
Single-mode LC	0.10 dB	0.20 dB	≥-55 dB
Single-mode LC/APC	0.10 dB	0.10 dB	≥-65 dB
Single-mode SC	0.12 dB	0.20 dB	≥-55 dB
Single-mode SC/APC	0.10 dB	0.20 dB	≥-65 dB
Single-mode MDC	≤ 0.07 dB	≤0.15 dB	≥-20 dB
Multimode LC	0.10 dB	0.20 dB	≥-25 dB
Multimode SC	0.12 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

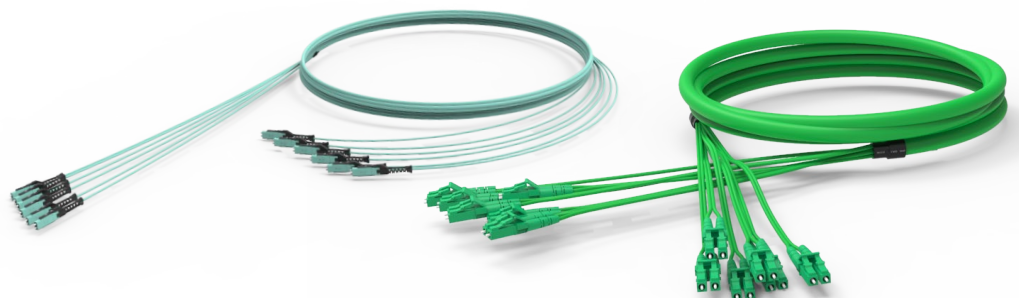
MDC COMPLIANCES

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

COMPONENTS RATED UL94 V-0

Product Specifications

Product Type	IllumiCore [®] + Multi-Fiber Trunks
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	4F - 288F
Connector Type	LC Premium Low Loss Duplex / LC/APC Premium Low Loss Simplex / SC Premium Low Loss Simplex / SC/APC Premium Low Loss Simplex / MDC Premium Low Loss Duplex / MDC/APC Premium Low Loss Duplex
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



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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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Part Number Configurator



X	Select Option for Pull Eye
P	One end
B	Both ends
	Leave it blank if not needed
AA & BB	Select Connectors
07	MDC Premium Low Loss Duplex
08	MDC/APC Premium Low Loss Duplex
33	LC Premium Low Loss Simplex
37	LC/APC Premium Low Loss Simplex
63	SC Premium Low Loss Simplex
65	SC/APC Premium Low Loss Simplex
CCC	Select Fiber Count
004 - 288	

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
E	Select Cable Construction
T	Tight Buffer Distribution
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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