



# PRODUCT INFORMATION

## Multi-Fiber Trunks

Secure Solutions Color-coded & Non-Keyed

Secure Solutions assemblies are manufactured using color-coded non-keyed connectors with matching colored connector housings, clips, boots, and cable. They are ideal for government and military facilities to differentiate networks without being locked into a specific brand.

DMSI offers the broadest selection of pre-terminated trunk cables 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® trunks feature all of the high-quality components and performance of IllumiCore®, with a unique cable breakout kit for direct integration into OMNIA® enclosures, eliminating the need for cable ties or a tool.

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.

### Features

- Highly customizable to user preference
- Custom color jackets, connectors, and furcation legs

### Connector Performance Specifications

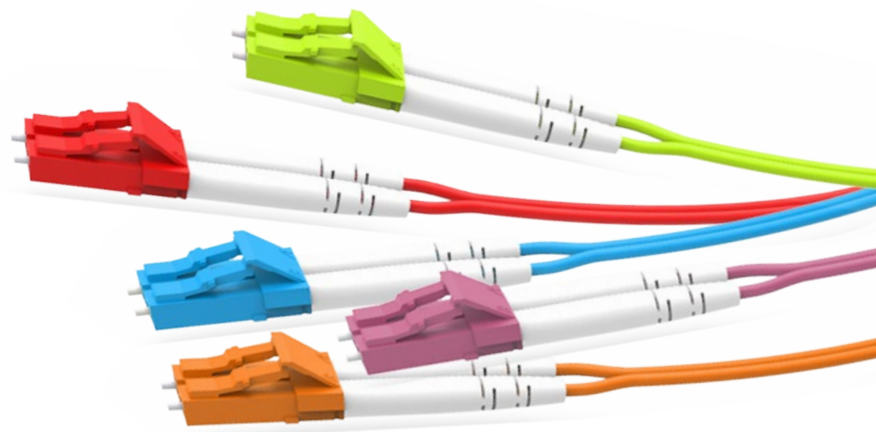
CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
Single-mode LC	0.10 dB	0.20 dB	≥-55 dB
Multimode LC	0.10 dB	0.20 dB	≥-25 dB

### Connector Compliances

- LC Connectors, TIA/EIA-604-10

### Product Specifications

Product Type	Secure Solutions Multi-Fiber Trunks
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	4F - 576F
Connector Type	LC Duplex
Colors Available	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:

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[www.dmsimfg.com](http://www.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



B	Pull Eye on Both Ends
A	Select Color for Connectors and Cable
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
3	LC Duplex Connector

A	Connector Color Selected
3	LC Duplex Connector
BBB	Select Fiber Count
004 - 576	
C	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
G	OM3
M	OM4
W	OM5 (WBMMF)

T	Tight Buffer Distribution
A	Cable Color Selected
2	Plenum
DDD	Select Length
001 - 999	
M	Meters

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