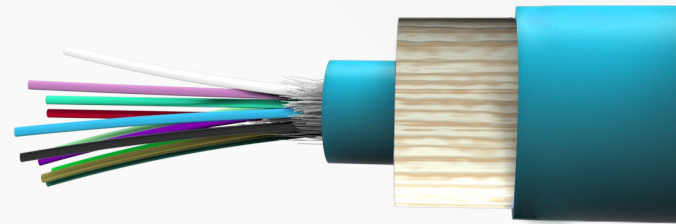


# Fiber Optic Cable

## Indoor Non-Armored



DMSI optical cables are exclusively made in the USA and are UL listed. Cables are available in many construction types including tight buffer, micro 250, ribbon, dry loose tube, and one and two fiber interconnect. Outer jackets are moisture, fungus, and UV resistant for use in outdoor applications. Cables are water blocked to meet GR-409-CORE requirements. Interlocking armored cables feature a jacketed aluminum spiral wrap protecting the cable contained inside. They offer superior crush resistance, rodent protection, and eliminate the need for innerduct or conduit. DMSI optical cables are exclusively made in the USA and are UL listed.



## COMPLIANCES

- NFPAC262 for Plenum UL1666
- ICEA-S-83-596 UL Listed

## SPECIFICATIONS

<b>Product Type</b>	Standard Fiber Optic Cable
<b>Fiber Category</b>	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
<b>Fiber Count</b>	1F to 288F
<b>Cable Type</b>	Ribbon / Tight Buffer / Simplex 1 Fiber / Round Duplex 2 Fiber / Duplex 2 Fiber / Micro 250µm
<b>Cable Rating</b>	Indoor Non-Armored (Plenum/Riser)
<b>Color</b>	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green



# Fiber Optic Cable

## Indoor Non-Armored



## 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 OM2 / 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

- Corning® ClearCurve® OM3 optical fiber compliant to TIA492-AAAC-B, 7.5mm BR, A1a.2 to IEC60793-2-10
- Corning® ClearCurve® OM4 optical fiber compliant to TIA492-AAAD, 7.5mm BR, A1a.3 to IEC60793-2-10



# Fiber Optic Cable

## Indoor Non-Armored



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### MULTI-FIBER | PART NUMBER CONFIGURATOR



**A**    **BBB**    **C**    **D**    **E**

A	Select Cable Type
B	Jacketed Ribbon (4F-24F)
T	Tight Buffer (2F-144F)
M	Micro 250µm
BBB	Select Fiber Count
002 - 288	
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
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)

D	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

E	Select Cable Rating
2	Indoor Non-Armored, Plenum
9	Indoor Non-Armored, Riser
Z	Indoor Non-Armored LSZH



# Fiber Optic Cable

## Indoor Non-Armored

### SIMPLEX AND DUPLEX | PART NUMBER CONFIGURATOR



A	Select Cable Type
S	Simplex (1F)
Z	Duplex Zipcord (2F)
T	Tight Buffer (2F)
	For Round Duplex (2F), leave it blank
BBB	Select Fiber Count
001 or 002	
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
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)

D	Select Cable Diameter
1	1.6mm (Simplex / Duplex Zipcord only)
2	2.0mm (Simplex / Duplex Zipcord only)
3	3.0mm
	For 4.4mm OD (Distribution), leave it blank (Tight Buffer 2F only)
E	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

E	Select Cable Type
2	Indoor Non-Armored, Plenum
9	Indoor Non-Armored, Riser

# Fiber Optic Cable

## Indoor Non-Armored



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### NOMINAL OPTICAL DIAMETER CHART

Cable Type	Fiber Count	Cable Diameter
Simplex	1	3.0mm
Simplex Zipcord	1	1.6mm
Simplex Zipcord	1	2.0mm
Simplex Zipcord	1	3.0mm
Duplex Zipcord	2	1.6mm
Duplex Zipcord	2	2.0mm
Duplex Zipcord	2	3.0mm
Round Duplex	2	3.0mm
Ribbon	4-8	2.35mm x 4.75mm
Ribbon	12	2.35mm x 4.75mm
Tight Buffer	2	4.4mm (Distribution)
Tight Buffer	4	4.4mm
Tight Buffer	6	4.8mm
Tight Buffer	8	5.8mm
Tight Buffer	12	5.8mm
Tight Buffer	24	7.8mm
Tight Buffer	36	15.4mm
Tight Buffer	48	15.4mm
Tight Buffer	72	20.0mm
Tight Buffer	96	22.9mm
Tight Buffer	144	25.1mm

Cable Type	Fiber Count	Cable Diameter
Micro 250µm	2-12	3.0mm
Micro 250µm (3mm sub)	24	8.2mm
Micro 250µm (3mm sub)	48	8.6mm
Micro 250µm (3mm sub)	72	10.5mm
Micro 250µm (3mm sub)	96	13.0mm
Micro 250µm (2mm sub)	144	10.6mm
Micro 250µm	288	14.3mm

