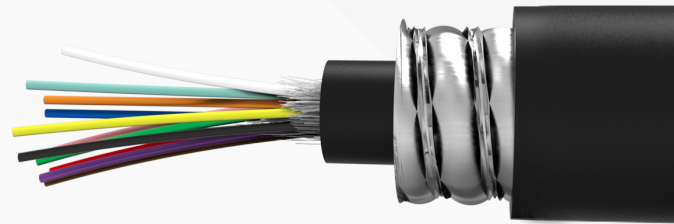


Fiber Optic Cable

Indoor/Outdoor Interlocking 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
- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE

SPECIFICATIONS

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



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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 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



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www.dmsimfg.com

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	Dry Loose 250µm (6F-288F)
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
D	Indoor/Outdoor Armored, Plenum
U	Indoor/Outdoor Armored, Riser
HA	Indoor/Outdoor Armored LSZH

- Indoor/Outdoor cable jackets are moisture, fungus and UV resistant for use in outdoor applications. Cables are water blocked to meet GR-409-CORE requirements.



Fiber Optic Cable

Indoor/Outdoor Interlocking Armored



www.dmsimfg.com

SIMPLEX | PART NUMBER CONFIGURATOR

S001



2



A

B

C

S	Simplex (1F)
001	1F - Fiber Count
A	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)

2	2.0mm Cable Diameter
B	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

C	Select Cable Type
D	Indoor/Outdoor Armored, Plenum
U	Indoor/Outdoor Armored, Riser

- Indoor/Outdoor cable jackets are moisture, fungus and UV resistant for use in outdoor applications. Cables are water blocked to meet GR-409-CORE requirements.



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NOMINAL OPTICAL DIAMETER CHART

Cable Type (Armored)	Fiber Count	Cable Diameter
Simplex	1	2.0mm
Ribbon	12	18.7mm
Ribbon	24	18.7mm
Tight Buffer	2	11.6mm
Tight Buffer	4	13.0mm
Tight Buffer	6	13.0mm
Tight Buffer	8	14.7mm
Tight Buffer	12	14.7mm
Tight Buffer	24	16.2mm
Tight Buffer	36	25.4mm
Tight Buffer	48	25.4mm
Tight Buffer	72	30.96mm
Dry Loose 250µm	12	13.0mm
Dry Loose 250µm	24	16.2mm
Dry Loose 250µm	36	16.2mm
Dry Loose 250µm	48	16.2mm
Dry Loose 250µm	72	19.4mm
Dry Loose 250µm	96	23.7mm
Dry Loose 250µm	144	23.7mm
Dry Loose 250µm	288	25.88mm

