

## SINGLE-MODE

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

### NUMERICAL APERTURE

- .14 (characterized)

### AVAILABLE FIBER TYPES

- G.657.A1 10mm bend (standard offering for OMNIA and IllumiCore)
- G.657.A2/B2 7.5mm bend
- G.657.B3 5.0mm bend
- G.652.D

## MULTIMODE 62.5µm OM1

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-AAAA-A
- TIA-568-C.3
- 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, and OM5

Each of the 50-micron options are a bend-insensitive fiber. Cable jackets are colored for easy bandwidth performance identification: OM2 orange, OM3/4 aqua, and OM5 lime. Custom colors are always available.

### COMPLIANCES

- ICEA S-83-596 UL1666
- TIA-568-C.3
- TIA492-AAC-B (OM3)
- TIA492-AAAB-A (OM2)
- TIA492-AAAD (OM4)
- TIA492-AAAE (OM5)

### NUMERICAL APERTURE

- $.20 \pm 0.015$

### AVAILABLE FIBER TYPES

- OM2
- OM3
- OM4
- OM5

# OPTICAL CABLE

## Indoor/Outdoor

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Non-Armored



DMSI optical cables are exclusively made in the USA and are UL listed. Indoor/Outdoor cables are available in tight buffer and dry loose tube (250µm), as well as 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.

### COMPLIANCES

- NFPAC262 for Plenum UL1666
- ICEA S-104-696
- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE

### CABLE TENSILE STRENGTH

- 12F and smaller:      Installation: 300 lb. (1335 N)  
   Long Term: 90 lb. (400 N)
- 24F and larger:        Installation: 600 lb. ( 2700 N)  
   Long Term: 200 lb. (890 N)

## Indoor Non-Armored, ORDERING INFORMATION

(X)	Replace (X) With Fiber Type
Y	Single-mode OS2
F	62.5µm OM1
E	50µm OM2
G	50µm OM3
M	50µm OM4
W	50µm OM5 WBMMF

(A)	Replace (A) with Jacket Color - Standard is Black (K) for Indoor/ Outdoor
B	Blue
N	Orange
G	Green
W	Brown
T	Slate
H	White
R	Red
K	Black (Standard for Indoor/Outdoor)
Y	Yellow
V	Violet
S	Rose
A	Aqua
L	Lime Green

INDOOR/OUTDOOR NON-ARMORED, RIBBON		
Part # (Riser)	Part # (Plenum)	Description
B004(X)(A)N	B004(X)(A)T	4F, 2.1mm x 4.0mm Nominal OD
B006(X)(A)N	B006(X)(A)T	6F, 2.1mm x 4.0mm Nominal OD
B008(X)(A)N	B008(X)(A)T	8F, 2.1mm x 4.0mm Nominal OD
B012(X)(A)N	B012(X)(A)T	12F, 2.1mm x 4.6mm Nominal OD
B024(X)(A)N	B024(X)(A)T	24F, 2.6mm x 4.6mm Nominal OD

## Indoor/Outdoor Non-Armored, ORDERING INFORMATION

INDOOR/OUTDOOR NON-ARMORED, TIGHT BUFFER		
Part # (Riser)	Part # (Plenum)	Description
T002(X)(A)N	T002(X)(A)T	2F, 4.4mm Nominal OD
T004(X)(A)N	T004(X)(A)T	4F, 4.8mm Nominal OD
T006(X)(A)N	T006(X)(A)T	6F, 5.2mm Nominal OD
T008(X)(A)N	T008(X)(A)T	8F, 5.2mm Nominal OD
T012(X)(A)N	T012(X)(A)T	12F, 6.0mm Nominal OD
T024(X)(A)N	T024(X)(A)T	24F, 8.1mm Nominal OD
T036(X)(A)N	T036(X)(A)T	36F, 15.4mm Nominal OD
T048(X)(A)N	T048(X)(A)T	48F, 15.4mm Nominal OD
T072(X)(A)N	T072(X)(A)T	72F, 19.3mm Nominal OD
T096(X)(A)N	T096(X)(A)T	96F, 22.8mm Nominal OD
T144(X)(A)N	T144(X)(A)T	144F, 25.4mm Nominal OD

INDOOR/OUTDOOR NON-ARMORED, 1 & 2 FIBER		
Part # (Riser)	Part # (Plenum)	Description
S001(X)3(A)N	S001(X)3(A)T	Simplex, 1F, 3.0mm Nominal OD
R002(X)3(A)N	R002(X)3(A)T	Round Duplex, 2F, 3.0mm Nominal OD
T002(X)(A)N	T002(X)(A)T	Tight Buffer, 2F, 4.4mm (Distribution) Nominal OD

INDOOR/OUTDOOR NON-ARMORED, DRY LOOSE 250µm		
Part # (Riser)	Part # (Plenum)	Description
M006(X)(A)N	M006(X)(A)T	6F, 4.8mm Nominal OD
M012(X)(A)N	M012(X)(A)T	12F, 4.8mm Nominal OD
M024(X)(A)N	M024(X)(A)T	24F, 8.5mm Nominal OD
M036(X)(A)N	M036(X)(A)T	36F, 8.5mm Nominal OD
M048(X)(A)N	M048(X)(A)T	48F, 8.5mm Nominal OD
M072(X)(A)N	M072(X)(A)T	72F, 13.7mm Nominal OD
M096(X)(A)N	M096(X)(A)T	96F, 15.5mm Nominal OD
M144(X)(A)N	M144(X)(A)T	144F, 19.3mm Nominal OD

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.