

Interlocking Armored

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



DMSI's indoor/outdoor interlocking armored optical cables are exclusively made in the USA and are UL listed. Cables are available in tight buffer and dry loose tube (250µm) constructions. 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 inner-duct or conduit.

COMPLIANCES

- NFPAC262 for Plenum UL1666
- ICEA-S-83-596 UL Listed
- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE

Indoor/Outdoor Interlocking Armored, ORDERING INFORMATION

Replace "X" with Fiber Type

Y	Single-mode OS2
G	50µm OM3
F	62.5µm OM1
M	50µm OM4
E	50µm OM2
W	50µm OM5 WBMMF

Replace "A" with Jacket Color - Standard is Black (K) for Indoor/Outdoor

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

Ribbon

Riser	Plenum	Fiber Count	Nominal OD
B004(X)(A)U	B004(X)(A)D	4	2.1mm x 4.0mm
B006(X)(A)U	B006(X)(A)D	6	2.1mm x 4.0mm
B008(X)(A)U	B008(X)(A)D	8	2.1mm x 4.0mm
B012(X)(A)U	B012(X)(A)D	12	2.1mm x 4.6mm
B024(X)(A)U	B024(X)(A)D	24	2.6mm x 4.6mm

Tight Buffer

Riser	Plenum	Fiber Count	Nominal OD
T002(X)(A)U	T002(X)(A)D	2	11.8mm
T004(X)(A)U	T004(X)(A)D	4	11.8mm
T006(X)(A)U	T006(X)(A)D	6	11.8mm
T008(X)(A)U	T008(X)(A)D	8	13.0mm
T012(X)(A)U	T012(X)(A)D	12	13.0mm
T024(X)(A)U	T024(X)(A)D	24	20.0mm
T036(X)(A)U	T036(X)(A)D	36	24.0mm
T048(X)(A)U	T048(X)(A)D	48	24.0mm
T072(X)(A)U	T072(X)(A)D	72	27.8mm
T096(X)(A)U	T096(X)(A)D	96	30.7mm
T144(X)(A)U	T144(X)(A)D	144	34.5mm

1 Fiber & 2 Fiber

Riser	Plenum	Fiber Count	Nominal OD
S001(X)3(A)U	S001(X)3(A)D	1	3.0mm
R002(X)3(A)U	R002(X)3(A)D	2	3.0mm
T002(X)(A)U	T002(X)(A)D	2	4.4mm (Distribution)

Dry Loose 250µm

Riser	Plenum	Fiber Count	Nominal OD
M012(X)(A)U	M012(X)(A)D	12	11.6mm
M024(X)(A)U	M024(X)(A)D	24	13.0mm
M036(X)(A)U	M036(X)(A)D	36	13.0mm
M048(X)(A)U	M048(X)(A)D	48	17.4mm
M072(X)(A)U	M072(X)(A)D	72	19.25mm
M096(X)(A)U	M096(X)(A)D	96	10.4mm
M0144(X)(A)U	M0144(X)(A)D	144	13.0mm
M0288(X)(A)U	M0288(X)(A)D	288	18.4mm

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.