

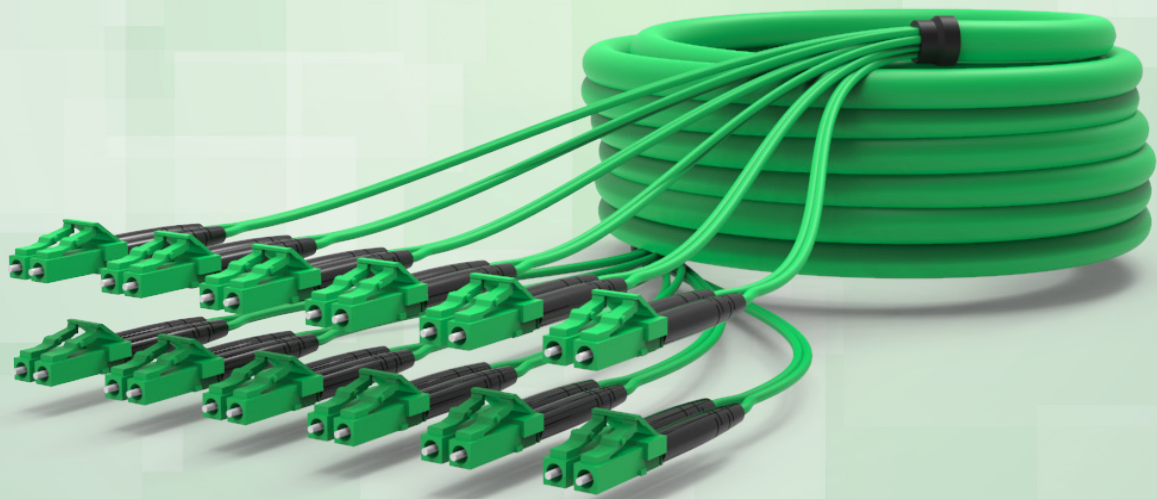
Trunk Cables

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.

Low loss connector performance and bend insensitive fiber (50µm and Single-mode) are a standard offering for both families.

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.

Trunk cable construction types include tight buffer distribution, micro-250, and ribbon in both armored and non-armored constructions. Jacket ratings are available in Plenum (OFNP), Riser (OFNR) and LSZH. Connector types include standard single and two fiber, keyed LC and MTRJ, and a complete offering of secure solutions color coded, non-keyed.



TRUNK CABLE FEATURES

- Highly customizable to user preference
- Custom color jackets, connectors, and furcation legs
- Reduced installation time using OMNIA trunks with direct mount breakout kit
- Low loss connector performance is standard with ultra-low loss options available
- UPC and APC polishes, angled and flex boots, push-pull connectors
- 900µm up to 3.0mm furcation legs with staggered or straight breakouts

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 G.652.D	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

MULTIMODE 62.5µm OM1

COMPLIANCES

ICEA S-83-596	TIA492-AAAA-A	TIA-568-C.3
ISO/IEC 11801 Type OM1	IEC 60793-10	UL1666

NUMERICAL APERTURE

.275 ± 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	TIA492-AAC-B (OM3)	TIA-568-C.3
TIA492-AAAB-A (OM2)	TIA492-AAAD (OM4)	TIA492-AAAE (OM5)
UL1666		

AVAILABLE FIBER TYPES AND RATINGS

OM2	OM4
OM3	OM5

NUMERICAL APERTURE

.20 ± 0.015

Connector Performance Specifications

	Typical IL Performance	Max IL Performance	Typical Reflectance (dB)
Single-mode LC	0.13	0.20	-57
Single-mode ST	0.14	0.20	-56
Single-mode FC	0.16	0.20	-57
Single-mode SC	0.25	0.20	-57
Single-mode MTRJ Pinned	0.25	0.50	-51
Single-mode MTRJ Non-Pinned	0.17	0.50	-51
Multimode LC	0.13	0.20	
Multimode ST	0.10	0.20	
Multimode FC	0.10	0.20	
Multimode SC	0.12	0.20	
Multimode MTRJ Pinned	0.20	0.50	
Multimode MTRJ Non-pinned	0.20	0.50	

SINGLE AND DUAL FIBER CONNECTOR COMPLIANCES

LC Connectors	TIA/EIA-604-10
SC Connectors	TIA/EIA-604-3
ST Connectors	TIA/EIA-604-2
FC Connectors	TIA/EIA-604-4
MTRJ Connectors	TIA/EIA-604-12

Trunk Cables ORDERING INFORMATION

(X*)(AA)(BB)(CCC)(D)(E)(F)(G)(H)

(X*) Use P for eye, "B" for both ends

(AA)&(BB) Select Connectors

21	FC
28	FC/APC
30	LC simplex
31	LC duplex
32	LC 2.0mm simplex
38	LC/APC duplex
39	LC/APC simplex
3U	LC Reverse Polarity Uniboot*
P1	LC Push-Pull Uniboot*
60	SC simplex
61	SC duplex
62	SC 2.0mm simplex
65	SC/APC simplex
68	SC/APC duplex
67	ST
44	MTRJ non-pinned
47	MTRJ pinned

(CCC) Select Fiber Count

004 to 288

(D) Select Fiber Type

Y	OS2 10mm bend <i>(standard)</i>
L	OS2 7.5mm bend
Z	OS2 5.0mm bend
F	OM1
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)**

(E) Select Cable Size

T	Tight Buffer Distribution
M	Micro 250 Reduced Diameter
R	Jacketed Ribbon
B	Bare Ribbon (12F only)
L	Dry Loose Tube

(F) 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

(G) Select Cable Type and Rating

2	Indoor, OFNP
9	Indoor, OFNR
Z	Indoor, LSZH
N	Indoor/Outdoor, OFNR
T	Indoor/Outdoor, OFNP
A	Indoor, OFCP Armored
R	Indoor, OFCR Armored
U	Indoor/Outdoor OFCR Armored
D	Indoor/Outdoor OFCP Armored
H	Indoor/Outdoor LSZH Non-Armored
S	Indoor/Outdoor LSZH Armored

(H) Select Unit of Measure

F	Feet
M	Meter
N	Inches

*LC Push-Pull and Reverse Polarity Uniboosts are manufactured with 2.0mm legs. **OM5 standard jacket color is lime green. Other colors are available upon request. All trunks 100 feet or longer are shipped on a reel with a pull-eye.

Standard breakout legs are 900µm color coded for simplex connectors, and 2.0mm for duplex; breakout lengths are:

- 24 inches for fiber counts 36 fiber and less
- 34 inches for fiber counts 48 fiber and higher