



OMNIA®'s newest cable assembly offering feature US Conec's MTP® Pro connectors. Connectors allow easy field changes of gender and polarity. Connectors are standard with low loss optical performance for single and multimode products.

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. Jacket ratings are available in Plenum (OFNP), Riser (OFNR) and LSZH.

COMPLIANCES

- Highly customizable to user preference
- Standard push-pull housing (sleeve)
- Custom color jackets and furcation legs
- OMNIA® trunks feature direct mount breakout kit
- Fast and easy field change gender and polarity

Connector Performance Specifications

OMNIA® and IllumiCore®

	Typical IL Performance (dB)	Max IL Performance (dB)	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	0.16	0.20	-57
Single-mode MTRJ Pinned	0.25	0.50	-51
Single-mode MTRJ Non-Pinned	0.17	0.50	-51
Multimode LC	0.17	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	
Multimode MTP® Low Loss (standard)	0.10 (single fiber)	0.35	
Single-mode MTP® Standard Loss	0.25 (single fiber)	0.75	> 60
Single-mode MTP® Low Loss	.10 (single fiber)	0.35	> 60

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
- MPO (including MTP®), TIA/EIA-604-5

OMNIA® Solution Trunks, ORDERING INFORMATION

(X*)(AA)(BB)(CCC)(D)(E)(F)M(GGG)(H)

(X*) Option for Pull Eye, Use "P" for one end, "B" for both ends, leave blank if not needed

(AA)&(BB) Select Connectors

40	MTP® Pro 12F non-pinned
41	MTP® Pro 12F pinned
84	MTP® Pro 8F non-pinned
89	MTP® Pro 8F pinned

(CCC) Select Fiber Count

008 to 288

(D) Select Fiber Type

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

(E) Select Polarity

A, B, C

(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

M - Standard for OMNIA® Trunk

(Indoor, non-armored, OFNP, 34 inch legs)

(GGG) Select Length (3 digits)

001 - 999

(H) Select Unit of Measure

F	Feet
M	Meter

*OM5 standard jacket color is lime green. Other colors are available upon request.

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