

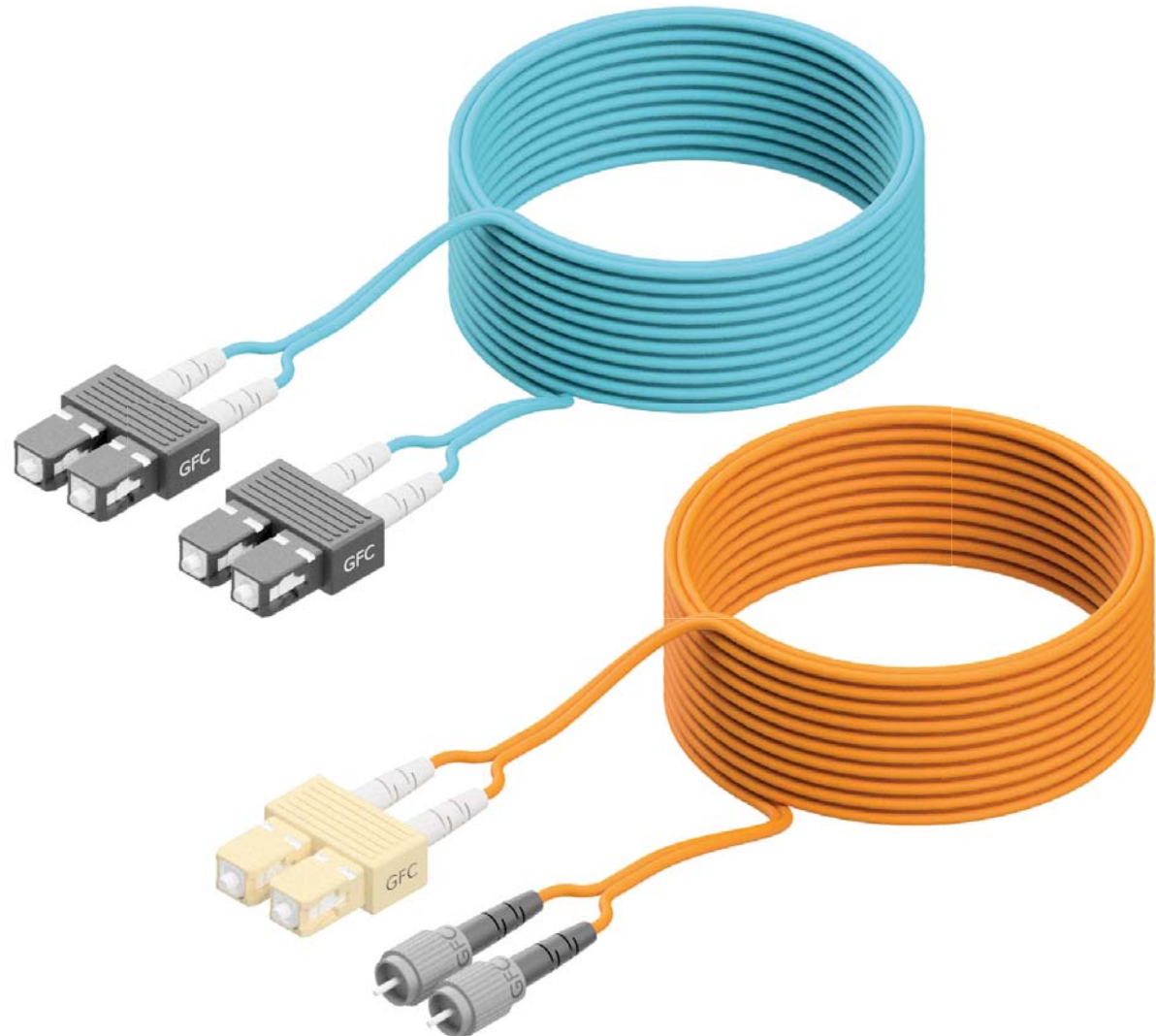
# Cable Assemblies

Cable construction types are available in tight buffer, micro-250, ribbon, breakout, and zipcord. Jacket ratings are available in Plenum, Riser and LSZH.

All **Mega Hertz** cable assemblies are manufactured using component materials that meet the EU RoHS and REACH Directive standards. Cables are available in TIA standard colors, or custom colors upon request.

Assemblies are available with multimode 62.5 (OM1) or 50 micron (OM2/3/4/5) fiber. The standard single-mode offering is OS2. Fiber counts are available from 1 to 144 strand, with higher counts available upon special request.

Color coded Government classifications are available for Sensitive but Unclassified (SBU) IP Data (formerly NIPR), Secret IP (formally SIPRNet), Top Secret/Sensitive Compartmented Information Data (TS/SCI IP data) formally known as JWICS, and COAL/ NATO (BICES, CXI and CENTRIX-K).



# Single-Mode Assemblies

Mega Hertz offers numerous grades of single-mode fiber with various bend radius's for specific applications that require a smaller bend radius.

## Compliances

ICEA S-83-596

UL1666

TIA492-CAAB G.652.D

TIA-568-C.3

## Numerical Aperture

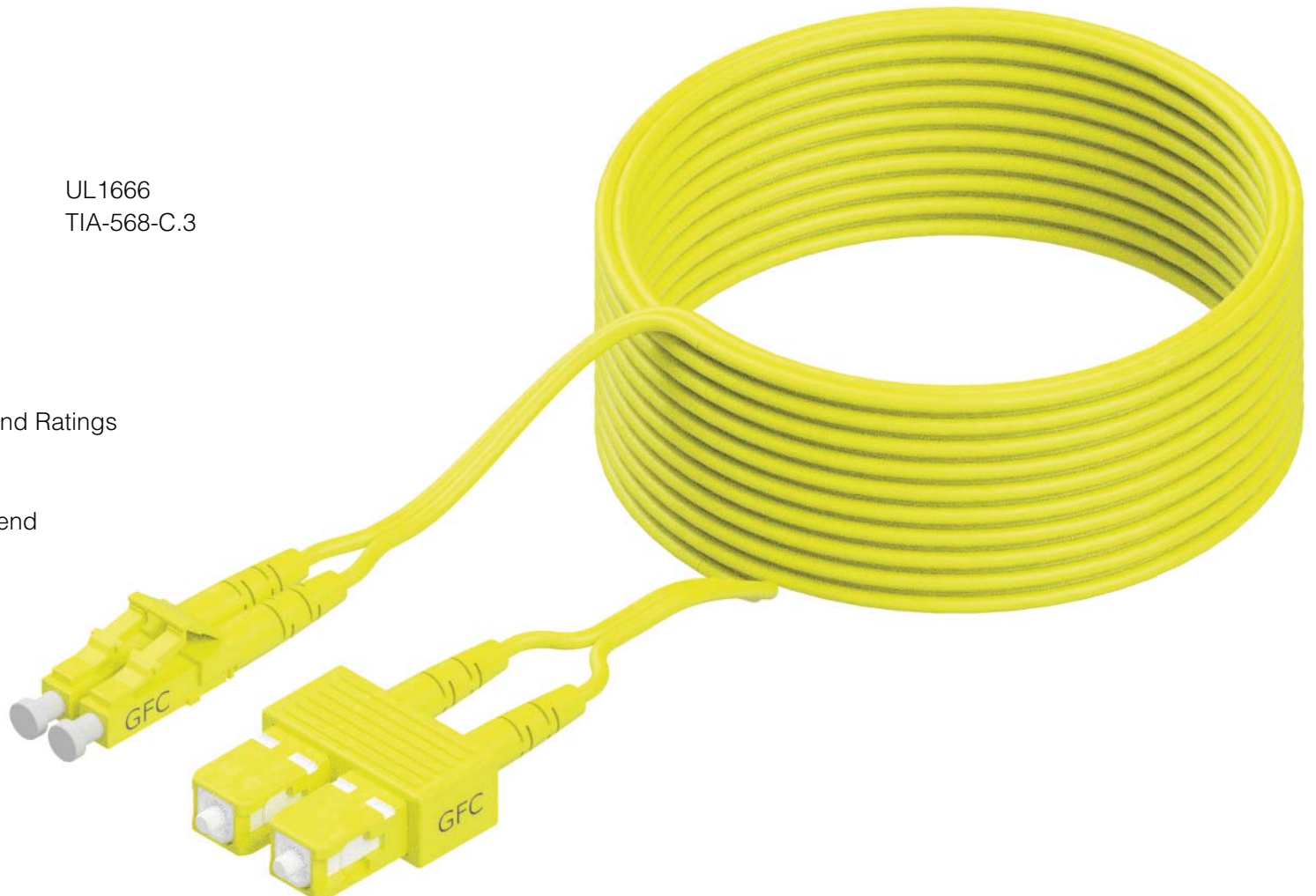
.14 (characterized)

## Available Fiber Types and Ratings

G.657.A1, 10mm bend

G.657.A2/B2, 7.5mm bend

G.657.B3, 5mm bend



# Multimode 62.5μm OM1

Multimode 62.5μm optical cables come standard with an orange jacket. As with all MHz's cable assemblies, custom colors are also available upon request.

## Compliances

ISO/IEC 11801 type OM1  
UL1666  
TIA-568-C.3  
ICEA S-83-596  
TIA492-AAAA-A  
IEC 60793-10 type A1b

## Numerical Aperture

.275 ± 0.015

## Available Fiber Types and Ratings

62.5/125



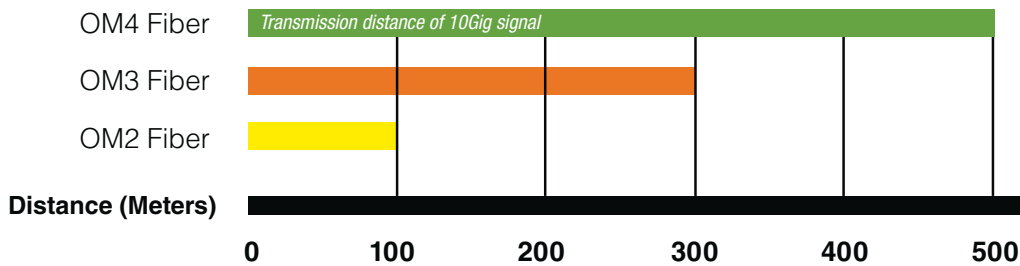
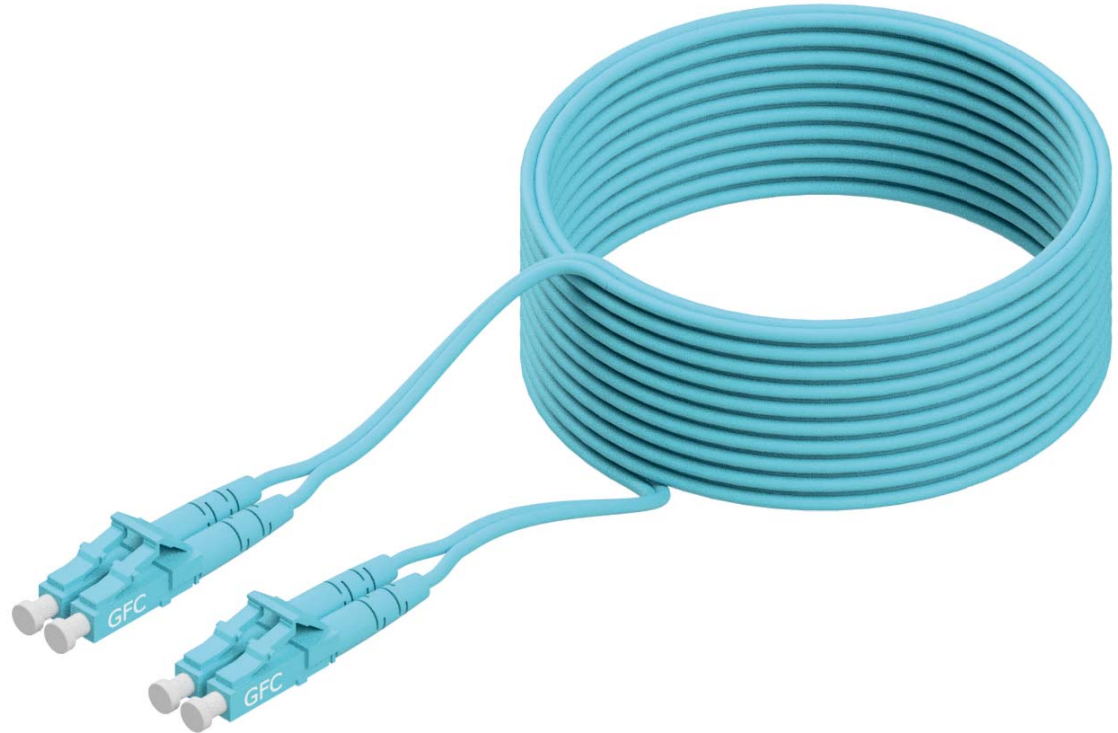
# Multimode 50µm OM2, OM3, OM4, and OM5

Mega Hertz offers all multimode 50 micron fiber types, OM2/3/4/5. Each grade of 50 micron is a 7.5mm bend insensitive fiber.

## Compliances

- TIA-568-C.3
- TIA 492-AAAC-B (OM3)
- TIA 492-AAAB-A (OM2)
- TIA 492-AAAD (OM4)
- TIA 492-AAAE (OM5)
- ICEA S-83-596
- Numerical Aperture

0.200 ± 0.015



# Specification

## Typical IL Performance (dB)

Single-mode LC	.3
Single-mode ST	.14
Single-mode FC	.14
Single-mode SC	.16
Single-mode MTRJ	
(Pinned)	.25
Single-mode MTRJ	
(Non-Pinned)	.25
Multimode LC	.17
Multimode ST	.10
Multimode FC	.10
Multimode SC	.12
Multimode MTRJ (Pinned)	.20
Multimode MTRJ	
(Non-Pinned)	.20

## Max IL Performance (dB)

Single-mode LC	.20
Single-mode ST	.20
Single-mode FC	.20
Single-mode SC	.20
Single-mode MTRJ	
(Pinned)	.50
Single-mode MTRJ	
(Non-Pinned)	.50
Multimode LC	.20
Multimode ST	.20
Multimode FC	.20
Multimode SC	.20
Multimode MTRJ (Pinned)	.50
Multimode MTRJ	
(Non-Pinned)	.50

## Typical Reflectance (dB)

Single-mode LC	-57
Single-mode ST	-56
Single-mode FC	-57
Single-mode SC	-57
Single-mode MTRJ	
(Pinned)	-51
Single-mode MTRJ	
(Non-Pinned)	-51

## Standard 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
MPO (including MTP®) Connectors	TIA/EIA-604-5



# Cable Assemblies Ordering Information

## Jumpers and Trunks

### AA and BB = Select Connectors

XX	NO CONNECTOR
FC	FC
FA	FC/APC
LC	LC
LA	LC/APC
SC	SC
SA	SC/APC
ST	ST
JN	MTRJ NON-PINNED
JP	MTRJ PINNED

### F = Select Jacket Color

4	STANDARD PER FIBER TYPE
B	BLUE
N	ORANGE
G	GREEN
W	BROWN
S	SLATE
H	WHITE
R	RED
K	BLACK
Y	YELLOW
V	VIOLET
P	ROSE
A	AQUA

### CCC = Select Fiber Count

001 - 144

### G = Select Cable and Rating

P	INDOOR OFNP
R	INDOOR OFNR
Z	INDOOR LSZH

### D = Select Fiber Type

Y	OS2	E	OM2
L	OS2 7.5MM BEND	G	OM3
Z	OS2 5MM BEND	M	OM4
F	OM1	P	OM5

### H = Select Length

001-999

### E = Select Cable Construction

T	TIGHT BUFFER
M	MICRO 250 1.6MM
1	ZIPCORDER 3.0MM
3	ZIPCORDER
B	RIBBON
K	BREAKOUT 2MM
2	2.0MM ZIPCORDER
R	3.0MM ROUND

### I = Select Unit of Measure

F	FEET
M	METER
N	INCHES



Provided by: Mega Hertz | 800-883-8839 | [info@go2mhz.com](mailto:info@go2mhz.com) | [www.go2mhz.com](http://www.go2mhz.com)

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