NEWLINK
Cabling Systems

SM G655 Fiber

Single-mode G655 Fiber

Features:

- ANSI/TIA-568.D-3
- 9/125um Fiber

Technical Specifications:

Fiber Construction	Property	Specification
Core (Glass)	Diameter	Typically 9.6 µm
	Non-circularity	0.5 %
Cladding (Glass)	Diameter	125 ± 1.0 µm
	Non-circularity	<1.0%
Coating	Material	UV-acrylate
	Inked diameter	245 ± 5 µm
	Coating/Cladding Offset	<12 µm
Optical Characteristics	Property	Specification
Maximum individual fiber attenuation		0.22dB/km
@ 1310 / 1550 nm		
Point discontinuities		0.10 dB
@ 1550 nm		
Attenuation change vs. Wavelength	1525 to 1575 nm	0.05 dB/km
Attenuation change vs. Bending	100 wraps / 75 mm	0.05 dB/km
	1 wrap / 32 mm	0.50 dB/km
Zero dispersion wavelength		1520 nm
Nominal mode field diameter	1550 nm	9.6 µm

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Mode field diameter tolerance		± 0.4 µm
Cabled fiber cutoff wavelength (cc)		<1480 nm
Group index of refraction	1550 nm	1.465
Polarized mode dispersion	1550 nm	< 0.1 ps/ km

Connector Alternatives:

ST Connector

SC Connector

LC Connector

FC Connector

MTRJ Connector

SC/APC Connector

LC/APC Connector

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Ordering Information:

Example	A	B	C	D	E	F	G
100801D:	100			8	01		D
	See chart below			MM / SM 8= SM G655	Length in mt		D=Duplex S=Simplex

ABC	ST	SC	LC	FC	MTRJ	SC/APC	LC/APC
ST	100	101	102	103	104	105	106
SC	101	110	111	112	113	114	115
LC	102	111	120	121	122	123	124
FC	103	112	121	130	131	132	133
MTRJ	104	113	122	131	140	141	142
SC/APC	105	114	123	132	141	150	151
LC/APC	106	115	124	133	142	151	160
Pigtails	109	119	129	139	149	159	169