WAVEOPTICS

G.655.C

Optical Fiber Specifications

TECHNICAL INFORMATION

WAVEOPTICS

WAVEOPTICS FIBER (G) **G.655.C**

Optical fiber specifications before cabling

CHARACTERISTICS		WAVEOPTICS G.655.C
Fiber Code		G
Attenuation	1550 nm	≤ 0.22 dB/km
	1625 nm	≤ 0.24 dB/km
Mode field diameter	1550 nm	9.6 ± 0.5 um
Max. PMD per fiber		≤ 0.15 ps/√km
Point discontinuities	1550 nm	≤ 0.05 dB
	1625 nm	≤ 0.05 dB
Cutoff wavelength		≤ 1450 nm
Group refractive index	1550 nm	1.467
	1625 nm	1.467

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Physical Characteristics

CHARACTERISTICS	WAVEOPTICS G.655.C
Curling	≥ 4 m
Cladding diameter	125.0 ± 1.0 um
Core-cladding concentricity error	≤ 0.64 um
Cladding non-circularity	≤ 1.0 %
Coating diameter	245.0 ± 7 um
Coating-cladding concentricity error	≤ 12 um

Environmental Characteristics

CHARACTERISTICS	CONDITIONS	WAVEOPTICS G.655.C
Temperature cycling	-60°C to +85°C	≤ 0.05 dB/km
Damp heat aging	85°C at 85% RH	≤ 0.05 dB/km
Water immersion	23°C ± 2°C	≤ 0.05 dB/km
High temperature aging	85°C ± 2°C	≤ 0.05 dB/km