



FIBRE OPTIC CABLE

MM FIBRE

OM2

OPTICAL CHARACTERISTICS

Item		Unit	Specification
Core Diameter		µm	50.0±2.5
Cladding Diameter		µm	125±1.0
Core Non-Circularity		%	≤5.0
Cladding Non-Circularity		%	≤1.0
Core Cladding Concentricity Error		µm	≤1.0
Coating Diameter		µm	245±7
Coating Non Circularity		%	≤6.0
Cladding - Coating Concentricity Error		µm	≤12.0
OFL Bandwidth	850nm	MHz-km	≥400
	1300nm		≥800
Effective Modal Bandwidth	850nm	MHz-km	≥1000
Attenuation Coefficient	850nm	dB/km	≤2.3
	1300nm		≤0.6
Numerical Aperture (NA)			0.200±0.015
Step (mean to bidirectional measurement)		dB	≤0.10
Irregularities over fibre length and point discontinuity		dB	≤0.10
Difference backscatter coefficient (bidirectional measurement)		dB/km	≤0.08
10 Gigabit Ethernet SX	850nm	m	60
Gigabit Ethernet SX	850nm	m	500
Gigabit Ethernet LX	1300nm	m	1000