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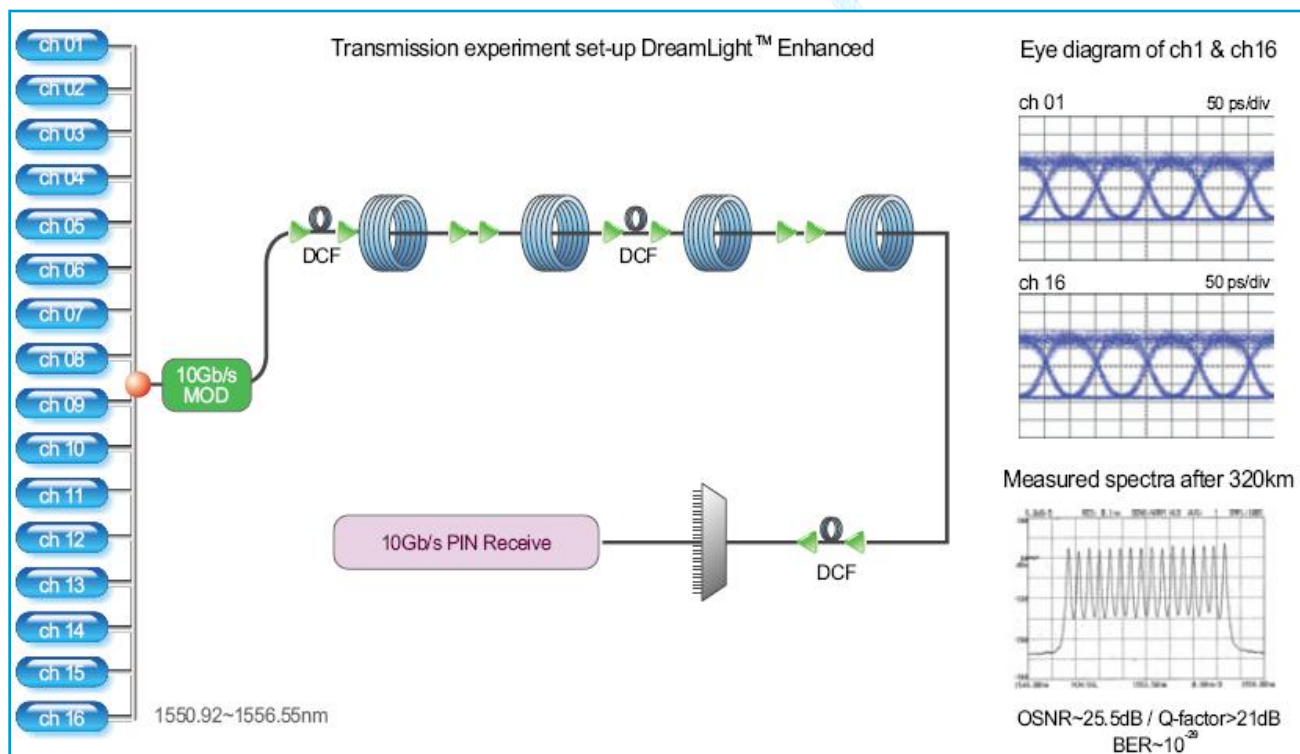
DreamLight™ Non Zero Dispersion Shifted Optical Fiber

Features & Benefits

- Complies with ITU-T G655 & G656
- Provide optimum performance for 10Gb/s 50GHz channel spacing in the C band
- 100GHz and 50GHz compatibility with 10 Gb/s systems in C & L bands
- Make it feasible the next generation 40 Gb/s transmission system
- Compatible with future DWDM amplifier regions such as the S band
- Ensure single mode operation in 1310nm region
- Enhanced PMD performance
- Excellent geometrical characteristics
- Environmentally compatible
- Meets all industry standards

Performance

- It fully guarantees, > 320 km transmission in 16 x10 Gb/s, 50 GHz channel spacing



ORNET Sdn. Bhd.

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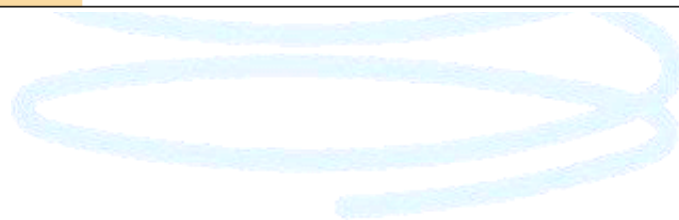
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Specification

Characteristics	Unit	DreamLifht™ LA	DreamLifht™ Enhanced	DreamLifht™ RS
Optical & Geomrteical roperties				
ITU-T Reference		G.655A	G.655B&C	G.655A
Attenuation coefficient at 1550nm at 1625nm	dB/km	≤0.22 ≤0.25	≤0.22 ≤0.25	≤0.22 ≤0.25
Chromatic dispersion 1530 ~ 1565nm 1625nm	ps/nm.km	2~6 ≤11.2	5.5~10 ≤13.8	2~7 ≤8.9
Polarization mode Dispersion Link Design Value Maximum Individual PMD	ps/(km) ^{1/2}	≤0.1 ≤0.2	≤0.1 ≤0.2	≤0.1 ≤0.2
Macrobending loss (1550 & 1625nm) φ60mm, 100 turns φ32mm, 1 turn	dB	≤0.05 ≤0.5	≤0.05 ≤0.5	≤0.05 ≤0.5
Attenuation uniformity at 1550nm	db	0.05	0.05	0.05
Mode field diameter at 1550nm	um	9.6±0.5	9.3±0.5	8.4±0.6
Core concentricity error	um	0.6	0.6	0.6
Clad diameter	um	125±0.7	125±0.7	125±0.7
Clad non-circularity	%	0.8	0.8	0.8
Coating diameter	um	245±5	245±5	245±5
Fiber curl	m	Min.4	Min.4	Min.4





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Mechanical Properties

Proof Test	1s	100*	Min	kpsi
Fiber Curl		4	Min	m
Coating Strip Force	30mm - 500mm/min	1.3		N
Dynamic Tensile Strength (0.5meter gauge length)	Unaged	≥550	Min	kpsi
		750	Typical	kpsi
	Aged	≥440	Min	kpsi
		750	Typical	kpsi

*** Higher Proof test levels available upon request.

Environmental Properties

Temperature Cycling	-60°C to +85°C, 1310&1550nm	0.05	Max	dB/km
Temperature Humidity Cycling	-10°C to +85°C, 1310&1550nm	0.05	Max	dB/km
Water Immersion	23°C, 1310&1550nm	0.05	Max	dB/km
Heat Aging	85°C, 1310&1550nm	0.05	Max	dB/km

Performance Properties

Effective Group Index (Neff)	1550m	1.468	Typical
	1625m	1.469	Typical



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