



### TECHNICAL PARAMETER

ITU-T G.657 (B6a1)		
Mode Field Diameter (MFD)	1310nm 1550nm	8.8±0.4 μm 9.8±0.5 μm
Cut-off Wavelength (λ <sub>cc</sub> )		≤1260 nm
Attenuation Coefficient	1310nm 1383nm 1550nm	≤0.4 dB/km ≤0.4 dB/km ≤0.3 dB/km
Macro Bending Loss	Φ20mm, 1circles, at 1625nm Φ20mm, 1circles, at 1550nm	≤1.5 dB ≤0.75 dB
Attenuation Non-Uniformity		≤0.05
Dispersion Coefficient	1288~1339nm 1271~1360nm 1550nm	≤3.5 Ps/(nm.km) ≤5.3 Ps/(nm.km) ≤18 Ps/(nm.km)
Zero Dispersion Wavelength		1300~1324 nm
Max Zero Dispersion Slope		≤0.092 Ps/(nm <sup>2</sup> .km)
Group Index of Refraction (Typical Value)	1310nm 1550nm	1.466 1.467
Cladding Diameter		125±0.7 μm
Core/Cladding Concentricity Error		≤0.5 μm
Cladding Non-Circularity		≤1.0%
Coating Diameter		245±10 μm
Cladding/Coating Concentricity Error		≤12.0 μm
Coating Non-Circularity		≤8%
Diameter of Colored Coating		250±15 μm
Proof Stress		≥0.69 Gpa
Proof Strain		≥1.0%
Coating Strip Force		1.0-5.0 N 1.3-8.9 N
Dynamic Stress Corrosion Susceptibility Parameter (n <sub>d</sub> value)		≥20

Note : Specifications are subject to change without notice

### SPECIFICATIONS

Part No		OOUDC
Fiber Count		2
Colored Coating Fiber	Dimension	250±15µm
	Color	Blue & Orange
Strength Member	Dimension	0.5mm
	Material	FRP
Inner Jacket	Dimension	3.0±0.1mm×2.0±0.1mm
	Material	LSZH
	Color	Black
Outer Jacket	Dimension	6.5±0.2mm
	Material	PE
	Color	Black

### MECHANICAL AND PHYSICAL PROPERTIES

No.	Characteristics	Parameter Value	
1	Tensile Strength	Short Term	1500N
		Long Term	600N
2	Crush Resistance Strength (N/100mm)	Short Term	1000N
		Long Term	300N
3	Min. Bending Radius (mm)	Dynamic	20D
		Static	10D
4	Temperature Range (°C)	-40 ~ 60	

### ORDERING INFORMATION

Example : OOUDC-E7A1LB2

