

# Ultra-Low Loss Terrestrial Long-Haul Optical Fiber

Terrestrial Long-Haul Optical Fiber  
PureAdvance™ series



## PureAdvance™ series

# Features

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on our website



## 01

**Outstanding performance in terrestrial fibers**



## 02

**Pioneer of pure-silica-core fiber**



## 03

**Excellent connectivity with submarine fibers**



### Performance Comparison

Product Name	PureAdvance™-80	PureAdvance™-110	PureAdvance™-125
ITU-T Compliance	G.654.C / G.652.B	G.654.E	G.654.E
MFD at 1550 nm ( $\mu\text{m}$ )	$10.5 \pm 0.7$	$11.7 \pm 0.7$	$12.5 \pm 0.5$
Effective area (Typical) at 1550 nm ( $\mu\text{m}^2$ )	85	110	125
Attenuation at 1550 nm (dB/km)	$\leq 0.17$	$\leq 0.16$	$\leq 0.16$
Attenuation (Typical) at 1550 nm (dB/km)	0.160	0.156	0.156
Cable cut-off wavelength( $\lambda_c$ ) (nm)	$\leq 1520$ (G.654.C) $\leq 1260$ (G.652.B)	$\leq 1520$	$\leq 1520$
Proposed application	- Metro - Long-haul - High density cable	- Long-haul - Inter Data center - Connection with submarine landing station - High density cable	- Long-haul - Inter Data center - Connection with submarine landing station

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