

Terrestrial Long-Haul Optical Fiber
PureAdvance™ series

Ultra-Low Loss Terrestrial Long-Haul Optical Fiber



PureAdvance™ series

SUMITOMO
ELECTRIC
GROUP

Features

Scan the code
to see more info
on our website



01

World' best 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 (μm)	10.5 ± 0.7	11.7 ± 0.7	12.5 ± 0.5
Effective area (Typical) at 1550 nm (μm^2)	85	110	125
Attenuation at 1550 nm (dB/km)	≤ 0.17	≤ 0.16	≤ 0.16
Attenuation (Typical) at 1550 nm (dB/km)	0.160	0.156	0.156
Cable cut-off wavelength(λ_c) (nm)	≤ 1520 (G.654.C) ≤ 1260 (G.652.B)	≤ 1520	≤ 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

Sumitomo Electric Industries, Ltd.

Tokyo (Japan)
Sumitomo Electric Industries, Ltd.
<http://global-sei.com/fttx>

Milano (Italy)
Sumitomo Electric Europe Ltd.
TEL: (39)-024-9638601

Shenzhen (China)
Sumitomo Electric Trading
(Shenzhen), Ltd.
<http://www.seac-china.com/>

London (United Kingdom)
Sumitomo Electric Europe Ltd.
<http://www.sumielelectric.com>

Melbourne (Australia)
SWS Australia Pty. Ltd.
TEL: (61) 3-8401-2800

Bangkok (Thailand)
Sumitomo Electric (Thailand) Ltd.
<https://setl.co.th/en/home>

Los Angeles (United States)
Sumitomo Electric U.S.A., Inc.
<https://global-sei.com/usa/seusa/>

Singapore
Sumitomo Electric
Asia Pacific Pte.Ltd.
<http://seap.com.sg/>

Manila (Philippines)
SEI (Philippines) Incorporated
TEL: (63)-28-112-755

Dubai (U.A.E.)
Middle East Office
TEL: (971) 4-701-7338

Gurgaon (India)
SEI Trading India Pvt. Ltd.
<http://www.sumitomosplacers.in/>