

Ultra-Low Loss Submarine Optical Fiber
Z Fiber™ series

Ultra-Low Loss Submarine Optical Fiber

 SUMITOMO
ELECTRIC



Z-PLUS Fiber™ 150

Advanced Pure Silica Core
Single-Mode Optical Fiber
ITU-T G.654.D

 SUMITOMO
ELECTRIC

Z Fiber™ series

SUMITOMO
ELECTRIC
GROUP

Features

Scan the code
to see more info
on our website



01

World's best
attenuation



02

Pioneer of
pure-silica-core
fiber



03

High reliability with
30 years'
experience



Performance Comparison

Product Name	PureBand™ Submarine	Z Fiber™ LL	PureAdvance™-110 Submarine	Z-PLUS Fiber™ ULL	Z-PLUS Fiber™ 130	Z-PLUS Fiber™ 150
ITU-T Compliance	G.652.D	G.654.C	G.654.B, G.654.D	G.654.B, G.654.D	G.654.D	G.654.D
Effective area (Typical) at 1550 nm (μm ²)	83	85	110	112	130	150
Attenuation (Typical) at 1550 nm (dB/km)	0.174	0.155	0.154	0.148	LL: 0.152 ULL: 0.147	LL: 0.150 ULL: 0.144
Proposed application	- Regional - Unrepeated	- Regional - Middle reach - Unrepeated	- Regional - Middle reach - Long-reach unrepeated	- Middle reach - Transoceanic - Long-reach unrepeated	- Transoceanic	- Transoceanic

Product Name	2C Z-PLUS Fiber™ ULL
Effective area (Typical) at 1550 nm (μm ²)	112
Attenuation (Typical) at 1550 nm (dB/km)	0.155
Crosstalk in Counter propagation at C-band (dB)	≤ -43
Proposed application	SDM systems - Regional to Transoceanic - Unrepeated

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.sumielectric.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/>