

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

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Features

Scan the code
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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	0.156	0.154	0.148	LL: 0.152 ULL: 0.148	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)	0.158
Crosstalk in Counter propagation at C-band (dB)	≤ -43
Proposed application	SDM systems - Regional to Transoceanic - Unrepeated

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