Ultra-Low Loss Submarine Optical Fiber

Z Fiber™ series

Z-PLUS Fiber™ 150
Advanced Pure Silica Core Single-Mode Optical Fiber
ITU-T G.654.D
## Features

### 01
World's best attenuation

### 02
Pioneer of pure-silica-core fiber

### 03
High reliability with 30 years' experience

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### Performance Comparison

<table>
<thead>
<tr>
<th>Product Name</th>
<th>PureBand Submarine</th>
<th>Z Fiber LL</th>
<th>PureAdvance-110 Submarine</th>
<th>Z-PLUS Fiber ULL</th>
<th>Z-PLUS Fiber 150</th>
<th>Z-PLUS Fiber 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective area</td>
<td>83</td>
<td>85</td>
<td>110</td>
<td>112</td>
<td>130</td>
<td>150</td>
</tr>
<tr>
<td>(Typical) at 1550 nm (µm²)</td>
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<tr>
<td>Attenuation</td>
<td>0.174</td>
<td>0.156</td>
<td>0.154</td>
<td>0.148</td>
<td>LL: 0.152</td>
<td>LL: 0.144</td>
</tr>
<tr>
<td>(Typical) at 1550 nm (dB/km)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ULL: 0.148</td>
<td>ULL: 0.144</td>
</tr>
<tr>
<td>Proposed application</td>
<td>Regional - Unrepeatered</td>
<td>Regional - Middle reach Unrepeatered</td>
<td>Regional - Middle reach - Long-reach unrepeatered</td>
<td>Middle reach - Transoceanic - Long-reach unrepeatered</td>
<td>Transoceanic</td>
<td>Transoceanic</td>
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</tbody>
</table>

### Proposed application
- Regional - Unrepeated
- Regional - Middle reach - Unrepeatered
- Regional - Middle reach - Long-reach unrepeatered
- Middle reach - Transoceanic - Long-reach unrepeatered
- Transoceanic

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