

CORNING

Ultra-Low Loss

Market Leadership

Co-Innovation

G.654.E TXF™

Future Ready Deployment

Optical Switching Ability
Ultra-Low Attenuation
400G

Span Length Extension
 ≥ 200 Gb/s

C- and L-Band Operation
Terrestrial Long-Haul Fiber

Amplifier Site Reduction
High Signal Power
Terabit

Next Generation Long-Haul Networks

High Transmission Performance

Large Effective Area

System Upgradeability
200G and Beyond

Repair Resilience
Extended Reach



Corning® TXF™ optical fiber:

a G.654.E compliant fiber that enables next generation long-haul networks.

It provides ultra-low loss (0.17 dB/km maximum) and large effective area (125 μm^2 average) by:

- Extending reach to avoid costly signal regeneration
- Reducing amplifier site requirements
- Improving optical switching ability
- Increasing margin for design flexibility and repair resilience
- Supporting upgradeability to 200G and beyond



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