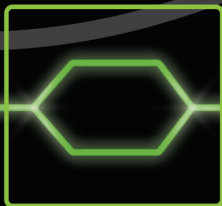
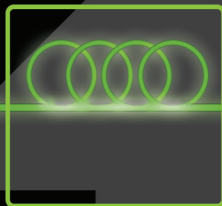


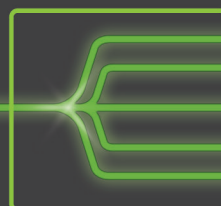
# ***NU***COMM™



Modify



Amplify

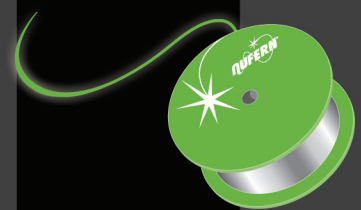


Transform



## Specialty Fiber

Transforming, Amplifying and Modifying  
Long Haul and FTTH Networks



### The Next Generation of Specialty Fibers for Communications

Rapidly transforming volumes of data accurately at high rates of speed is essential for all next generation communication systems. NuCOMM™ fibers provide optimized performance, enhanced safety, and increased mechanical reliability for telecom and datacom applications. Producing high quality fibers requires a facility and team committed to and focused on specialty fibers. Nufern has the proven experience and a first class fiber fab dedicated to this transformational technology.



[www.nufern.com](http://www.nufern.com)



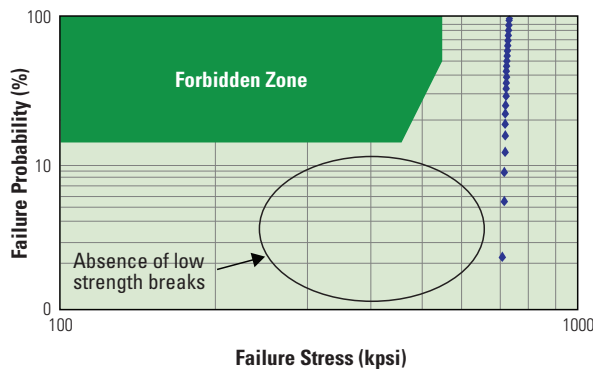
### Optical Benefits

- Extremely consistent lot-to-lot performance minimizes customer testing, optimization and related manufacturing costs
- Designed to easily splice to long haul fibers and jumpers
- Telcordia specifications and controls on all standard specialty products
- PM fibers featuring superior birefringence specifications

### Mechanical Benefits

- Extremely high strength, high fatigue failure resistant fibers reduce risk of failure due to handling in component manufacturing processes
- Where necessary, these fibers are available in V0 rated Low Smoke Zero Halogen 900  $\mu\text{m}$  Serialized Buffers for safe usage in a diverse range of applications
- Aerospace qualification available on most fibers in category
- PM fibers prooftested to 200 kpsi and available with 250- $\mu\text{m}$  or 400- $\mu\text{m}$  coatings

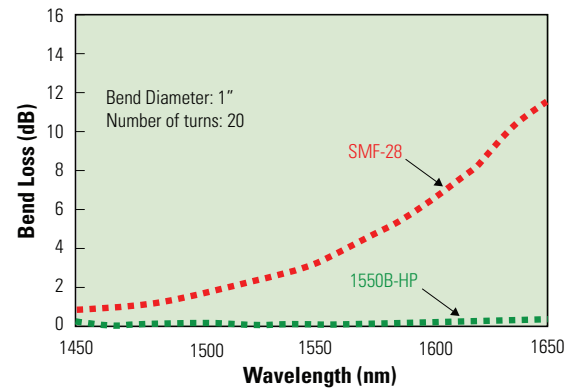
Weibull Probability Plot



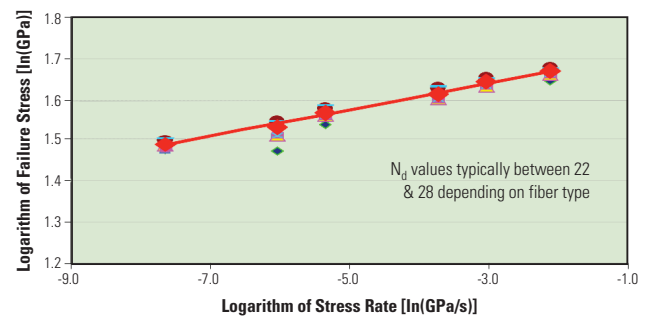
### Typical Applications

- PM & bend insensitive telecom component pigtails
- Robust long-lived jumpers
- Active fibers for amplifiers
- Photosensitive fibers for making Bragg grating filters & reflectors
- Ultra high NA spliceable fibers for mode field matching
- Small diameter fibers for miniaturization

Bend Loss Comparison



Stress Corrosion Parameter



### Powered by Nufern

- Industry benchmark NuPOWER™ fibers used throughout
- NuPANDA™ superior PM fibers for all your telecom and datacom needs
- Toll-free help line: 1-888-NU-HELPS
- Commitment to R&D, our customers and our community
- Comprehensive IP and patent portfolio

