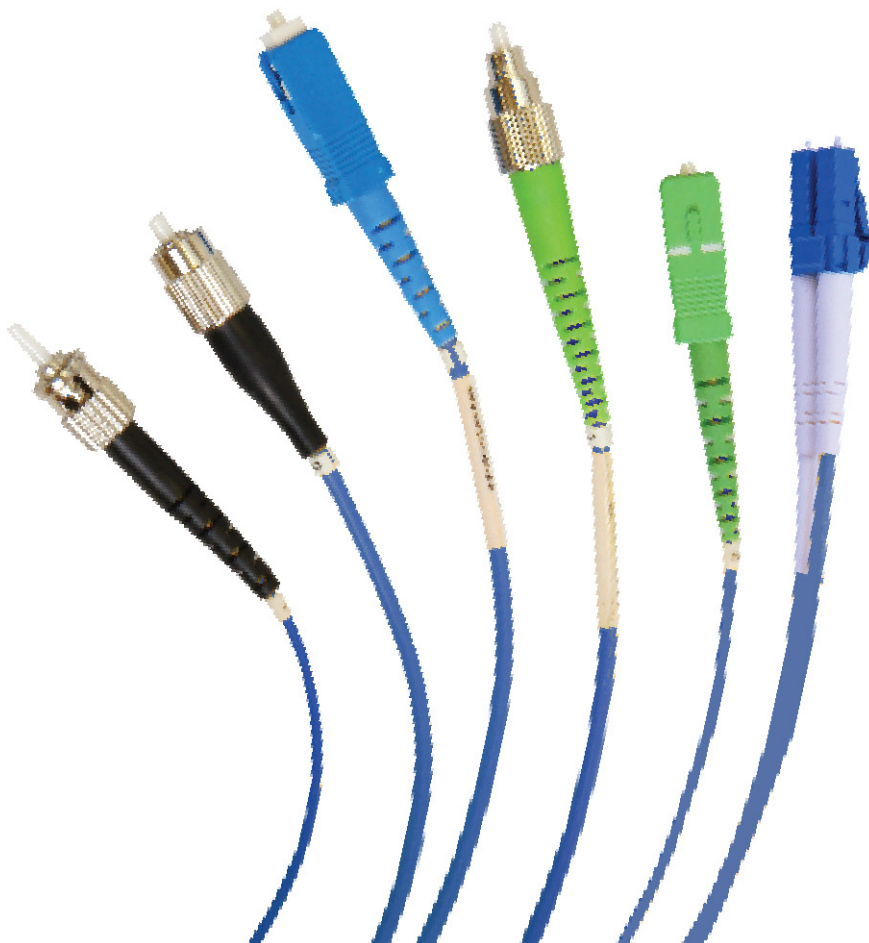


### Overview

Bend-insensitive fiber cables are designed to enhance bend performance in reduced-radius applications. The bend-insensitive cable has less attenuation compared with traditional fiber cables that makes the installation and maintenance of the fiber optic cables more efficient.

This streamlined process and ease of certification will provide time and cost savings. Another benefit from bending insensitive fiber cables is the extra space saved, which is the trend of fiber optic networks; in the future, fiber cables will be smaller, denser, and more efficient.



### Features & Benefits

- Small Microbending Loss in the 7 to 15mm Bend Radius Range
- Compatible with Other ITU-T G. 652 SMF Standards
- Low Bending Loss at Partial Bends in the mm Bend Radius Range
- Reduce the Space Required for Fiber Management and Bending
- Relax Fiber Installation Tolerances to Simplify Deployment
- Produce Minimum Insertion Loss When Connected to Other G. 652 Fibers and Patch Cords
- Simplify Fusion Processes & Produce Very Low Excess Loss When fused with Other G. 652 Fibers
- Enable Tight In-Building Installation
- Allow for High Density Patch Panel Installations
- Eliminate Fiber Coating Damages in Case of High Power Systems

### Applications

- FTTH
- Telecom and Datacom
- Storage Networking
- CATV
- Multimedia Applications



Standard SMF-28



ITU-T G. 657 Type A

Fiber Type	ITU-T G. 657 Type A
Jacket Diameter	2.0mm
Attenuation	≤0.4 dB/km at 1310nm ≤0.3 dB/km at 1550nm
Fiber Cutoff Wavelength	≤1260nm
Mode Field Diameter	9.0±0.5um at 1310nm 10.0±0.6um at 1550nm
Macrobend Loss	≤0.75 dB for 1 turn around a mandrel of 10mm radius at 1550nm ≤0.25 dB for 10 turn around a mandrel of 15mm radius at 1550nm
Connector Insertion Loss	≤0.3 dB for (UPC) ≤0.5 dB for (APC)
Connector Return Loss	≤-40 dB for (UPC) ≤-50 dB for (APC)
Operating Temperature	-20 to 70°C

Standards Compliance

- Telcorida GR-326-CORE
- TIA/EIA-568B-B.3 Fiber Optic Cabling Components Standard
- IEEE802.3z Standards for Fiber Optic Cabling
- RoHS Approved for European Market Requirements

