FNP300-2650085B
Polyimide Coated Multimode Fiber

Graded-index Multimode fiber with the following properties¹:

1. Geometrical features
   Core Profile                  Ge-doped fused silica, graded-index
   Cladding Ø                   125 µm ± 2µm
   Core Ø                       50 µm ± 2.5 µm
   Core/Clad Concentricity Error ≤ 1.5 µm
   Cladding Non-circularity      ≤ 2.0%
   Coating Ø                    160 µm ± 10µm
   Coating/ Clad Concentricity Error ≤ 5µm
   Coating Material              Polyimide

2. Optical properties
   Bandwidth (OFL) @ 850nm       >500 MHz.km
   Bandwidth (OFL) @ 1300nm      >500 MHz.km
   Attenuation @ 850 nm          < 2.6 dB/km
   Attenuation @ 1300 nm         < 0.8 dB/km
   Numerical Aperture            0.200 ± 0.015

3. Mechanical properties
   Proof-test (100 %)            ≥ 100 kpsi
   Dynamic Tensile Strength Unaged Fiber (0.5m), Median Tensile Strength
   Dynamic Fatigue Stress Corrosion Parameter nd (typical)  ≥ 23

3. Additional features
   Operating Temperature         - 190°C to + 385°C
   Fiber color                   Yellow gold

4. Delivery length
   >100m

¹ This product under development and classified as a B-sample: For trial of total functional range and the technical requirements, usable for continuous-operating tests, manufacturing of the product is for creation of a specification for the series production and verification of manufacturability. First application tests, dimensions and key parameters according to the series. Not for serial application. Not all customer specifications necessarily fulfilled.