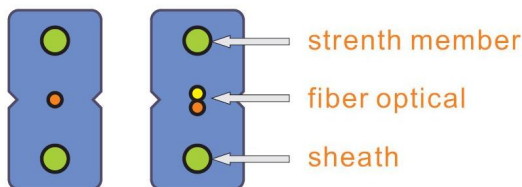


## SoftBend™ Fiber – E Series (G.652D and G.657A)

### FibreOptica E Series Cable – Figure "8" cable

FibreOptica E series fiber cable is designed for FTTH installation, Indoor cables, Drop/Distribution cables. It can be used with mechanical splicers. The fiber is in the center of the cable and two strengthening mandrills are on the two sides of the fiber. The fiber and strengthening mandrills are coated together into a fiber cable - "8" Shape design.

- Simple structure, anti press, anti pull, anti aging.
- "8" Shape design, enabling easy strip of the jacket, easy installation and maintenance.
- An additional micron permanent protective coating on the glass cladding makes it the most robust fiber in the telecommunications industries.
- Small-bending fatigue lifetime is several hundred times longer than other standard single mode fibers.



Model	FSB-E
Fiber diameter(um)	250
Fiber Type	G.657A and G.652D
Attenuation Coefficient	1310nm: ≤ 0.4 dB/km 1550nm: ≤ 0.3 dB/km
Mode Field Diameter @ 1310 nm	8.6±0.5
Mode Field Diameter @ 1550 nm	9.5±0.5
Core/clad concentricity error	<2%
Min bending radius mm	15

Attenuation with Bending	
Φ30mm,10 turns, at 1550nm macro bend add attenuation	≤0.25dB
Φ30mm,10 turns, at 1625nm macro bend add attenuation	≤1.0dB
Φ20mm,1 turns, at 1550nm macro bend add attenuation	≤0.75dB
Φ20mm,1 turns, at 1625nm macro bend add attenuation	≤1.5dB
Cut-off wavelength λ <sub>cc</sub>	1260 nm
zero dispersion wavelength	1300 to 1324 nm
Fiber number	1/2/4
Cable Weight(kg/km)	<10
Tensile strength(N) long/short term	30/60
Crush test(N/100mm) long /short term	1000/2000

### Ordering Information

FSB-E-□□-□□-□□-□□-□□

