

## PRODUCTPROFILE

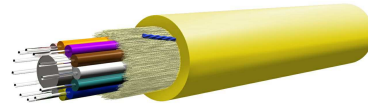
**Catalogue number: 032B0010**

Partnumber: 771832

---

Cable I-V(ZN)H12E9/125µm

I-V(ZN)H12E9/125µm,G657A1  
yellow,TB900,LSZH  
CPR Dca



**Related documents:**

DS\_FASER OS2-A\_OE

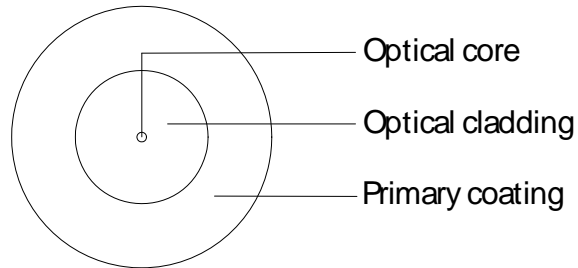
Fiber Data Sheet

## Optical fiber OS2-A

(for Simple-, Duplex-, Mini-Breakout- and Breakout-Cables)

# Optical fiber F-E9/125 0.38F3.5/0.28H18 Standard Singlemode Low Water Peak Fiber

**Profile view:**



**Design:**

- Optical fibre 9/125 µm, matched cladding type conform to ITU-T Rec. G.652.D, IEC 60793-2-50 type B1.3 and EN50173-1 OS2
- optical core made of Silica (SiO<sub>2</sub>) doped with germanium dioxid (GeO<sub>2</sub>) and cladding made of pure Silica (SiO<sub>2</sub>)
- Coating made of dual layers of UV-cured acrylate

**Geometrical properties:**

- Mode field diameter (at 1310 nm) 9.2 +/- 0.4 µm
- Cladding diameter 125.0 µm +/- 0.7 µm
- Cladding noncircularity ≤ 1 %
- Core / Cladding concentricity error ≤ 0.5 µm
- Coating diameter uncoloured 235 to 245 µm
- Coating diameter coloured 245 to 260 µm
- Eccentricity of coating ≤ 12 µm
- Screen test ≥ 0.7 GPa (100 kpsi)

**Transmission characteristics:**

- Zero dispersion wavelength 1302 nm-1322 nm
- Zero dispersion slope ≤ 0.090 ps/nm<sup>2</sup> x km
- Cable Cut-off wavelength  $\lambda_{cc}$  ≤ 1260 nm
- Polarisation mode dispersion ≤ 0.1 ps/√km
- Attenuation, maximum values
 

1310 nm	0.38 dB/km (cabled)
1383 nm	0,31 dB/km (uncabled)
1550 nm	0.28 dB/km (cabled)
- Dispersion, maximum values
 

1285-1330 nm	3.5 ps/(nm x km)
1550	18 ps/(nm x km)
1625	22 ps/(nm x km)
- Effective group index of refraction
 

to 1310 nm	1.467
to 1550 nm	1.468