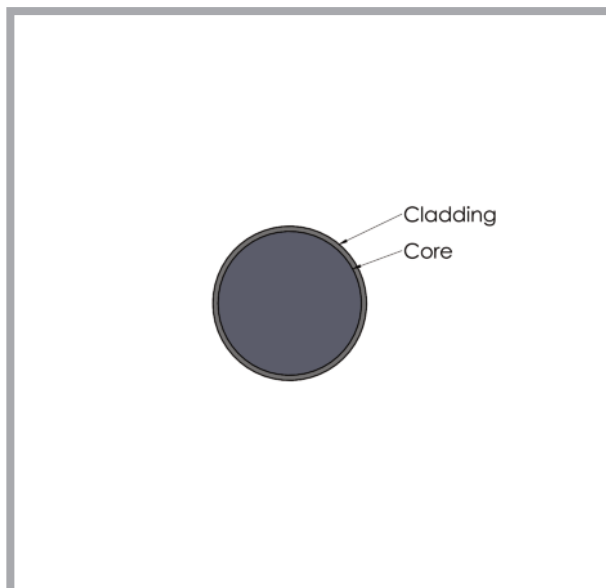


## Unsheathed Single Core End Lit Polymer Fibre



### Single strand optical fibre without a sheath

Universal Fibre Optics supplies high quality single core unsheathed fibre on reels. Suitable for use in indoor, outdoor and submersible applications.

### Product Specifications

**Core material:** Polymethyl Methacrylate

**Cladding material:** Fluorinated Polymer

**Refractive index:** 1.49

**Numerical aperture:** 0.5

**Refractive index profile:** step index

**Operation temperature range:** -55°C to +70°C in low humidity; <60°C at 95% RH (attenuation change is within 10% after 1000 hours except for that due to absorbed water). Please note that fibre can become brittle at lower temperatures.

Product Code	Outer Diameter	Outer Diameter Tolerance	Reel Length	*Approximate Weight	Min. Bend Radius	**Approximate Transmission Loss
CK10U	0.25mm	±0.023mm	12000m	0.06g/m	5mm	350 dB/km
CK20U	0.50mm	±0.030mm	6000m	0.4g/m	10mm	250 dB/km
CK30U	0.75mm	±0.045mm	2700m	0.9g/m	15mm	200 dB/km
CK40U	1.00mm	±0.060mm	1500m	1.5g/m	20mm	200 dB/km
CK60U	1.50mm	±0.090mm	700m	3.2g/m	30mm	200 dB/km
CK80U	2.00mm	±0.120mm	250m	4.0g/m	40mm	200 dB/km

\*without packaging    \*\*in ideal conditions, 650nm collimated light