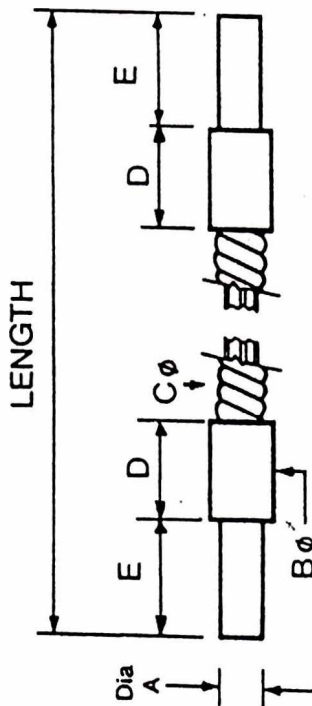




Specifications:

- Material: 50 micron Ø glass fibre optic
- Active Fibre Ø 2.5mm
- DIA A 3.5 +/- 0.1mm
- Ø B 6.8 +/- 0.1mm
- Ø C 6.0mm nominal
- D 13.0mm
- E 10.0mm
- Length 500mm + 10mm -0
- Ferrule material brass
- Fibre covering black PVC over spring



FIBRE DIAMETER	50µ	NOMINAL
CORE DIAMETER	45µ	NOMINAL
THICKNESS OF CLADDING	2.5µ	NOMINAL
CONCENTRICITY OF ERROR	<0.6	
CORE REFRACTIVE INDEX	1.62	n_1
CLADDING REFRACTIVE INDEX	1.52	n_2

NUMERICAL APPERTURE (NA)	0.57	$NA = \sqrt{n_1^2 - n_2^2}$
ACCEPTANCE ANGLE (θ)	70	$\theta = 2 \text{ SIN }^{-1} (NA)$
MAX. TENSILE STRENGTH g/pcc.	100	NOMINAL
BEND RADIUS (mm)	20	BUNDLE 1.0mm Ø
ATTENUATION Db/km	130	800mm

Dims in mm unless otherwise stated	Issue	Change	Date	Auth	Title	Light guide
						No
	01	-	22.11.02		Lite-Tec OPTICS & FIBRE OPTICS 507 Ashington Road, Rochford England, SS4 3HE Tel +44(0)1702 540187 Fax +44(0)1702 541049	
					Date 22.11.02	