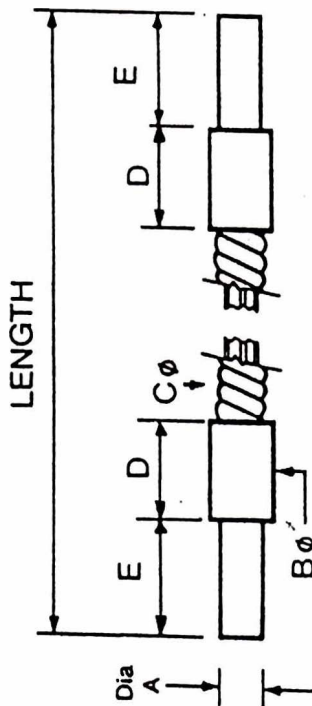




Specifications:

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	$\theta = 2 \sin^{-1}(NA)$
MAX. TENSILE STRENGTH g/pcc.	100	NOMINAL
BEND RADIUS (mm)	20	BUNDLE 1.0mm Ø
ATTENUATION Db/km	130	800nm

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