

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

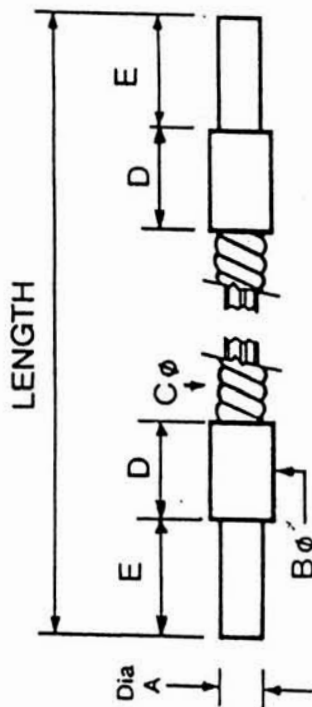
D 13.0mm

E 10.0mm

Length 265mm + 5mm

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/pce.	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

01

22.11.02

thw/c

Lite-Tec

OPTICS & FIBRE OPTICS
507 Ashington Road, Rochford
England, SS4 3HE

Tel +44(0)1702 540187 Fax +44(0)1702 541049

Title Light guide

No EX605

Drn Date 22.11.02