



## PIGTAILS – SINGLEMODE

OS1/2

### Structure Diagram & Description



OS2 Pigtail



Singlemode optical fibre is characterised by its narrow modal dispersion (8.3 to 10 micron diameter); better retaining fidelity of light pulses and exhibiting higher bandwidth than multimode. As a result, singlemode fibre is ideal for long distance applications.

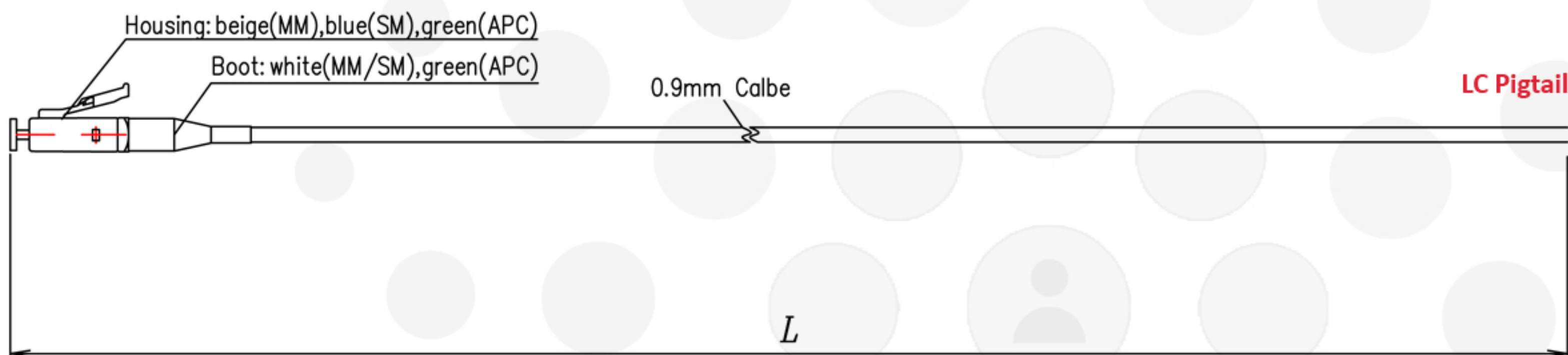
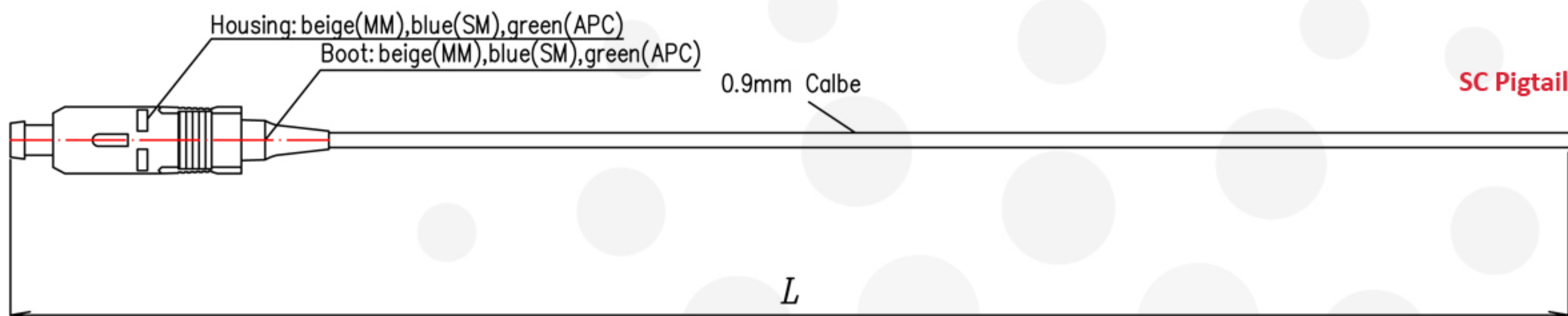
#### Features:

- Connector options: E2000, FC, LC, MTRJ, SC, ST and APC types
- Choice of fibre colour and length
- Each pigtail supplied with test certificate and optical results

## SPECIFICATION

## ITEM DESCRIPTION

Insertion	Typical 0.2 dB (PC / UPC) Max 0.3dB
Return Loss	Typical 50 dB max 60 dB (APC)
Max.Tensile Load	100N/cm
Apex Offset	≤50 um, ≤100 um
Fire Performance	LSZH for outdoor/indoor
Attenuation	1300/1550 = 0.38/0.24
Fibre Spherical Height	-90 nm, +50 nm
Operating Temp.	-40°C to +80°C
Curve Radius	10 to 25mm, 5 to 15mm



## SPECIFICATION

Type	Multi -Mode	Single -Mode	
		UPC	APC
Insertion	$\leq 0.3\text{dB}$	$\leq 0.2\text{dB}$	
Return Loss	$\geq 20\text{dB}$	$\geq 55\text{dB}$	$\geq 60\text{dB}$
Test Wavelength	850nm	1310nm	

## LENGTH TOLERANCE

Length (L)	Tolerance
$\leq 1\text{M}$	+80MM/-0
$> 1\text{M} < 10\text{M}$	+100MM/-0
$> 1\text{M} < 30\text{M}$	+150MM/-0
$> 30\text{M}$	+1%/-0

## GEOMETRIC PARAMETERS

Contact Type	Roc (mm)	Fiber Height (nm)	Apexoffse (um)	APC-Angle (8*)	Key Error (*)
1.25 UPC	6~28	-100~50	0~65	-	-
2.5 UPC	8~28	-100~50	0~65	-	-
APC	5~12	-100~50	0~65	$8\pm 0.5$	-0.3~0.3





## ORDERING INFORMATION

### SINGLEMODE PIGTAILS

PG-(XXX)-(XX)-(X)-(XX)

#### Fibre Type

OM2 = OM2  
OM3 = OM3  
OM4 = OM4  
OS2 = OS2

#### Colour

BLUE = BL  
ORANGE = OR  
GREEN = GN  
BROWN = BR  
SLATE = SL  
WHITE = WH  
RED = RD  
BLACK = BK  
YELLOW = YW  
VIOLET = VI  
ROSE = RO  
AQUA = AQ

#### Length in Meters

1, 2, 3.....

#### Connector Type

LC/UPC = LCU  
LC/APC = LCA  
SC/UPC = SCU  
SC/APC = SCA  
ST = STU  
FC = FCU  
E2000 = E2  
E2000/APC = E2A

**Part Number - PG-OS2-LC-1-WH - SINGLE MODE LC PIGTAIL, WHITE, 1METER**

BRAND NAME



Website: [www.tnstechltd.com](http://www.tnstechltd.com)