

## Tight Buffered Pre-term

Our pre-terminated cable assemblies consist of an optical cable pre-fitted with connectors. The terminations are protected with a rugged transparent transportation tube, which can be easily and quickly removed during installation. The unique crimpless design utilises an anti-kink gland to reduce stress to the fibre during the installation process. Our tight buffered assemblies consist of 900um tails. Our pre-terminated solutions ensure faster and more efficient installations.

We also have uniquely designed patch panels which accommodate our pre-terminated assemblies. Fitted with U-slots for efficient installations every time.



### Features & Benefits

- 4-24 fibre counts available
- Available with all connector types LC, FC, SC and ST (other types such as E2000 or APC connectors are available upon request)
- No additional compression glands required
- Machine polished and factory tested
- No specialist tooling required to install
- All modes available such as OS1/2, OM1, OM2, OM3, OM4
- Redeployable sock available

### Application

- Enterprise
- Datacom
- LAN and WAN
- FTTX
- Broadband network

### Specification

ELEMENT	CHARACTERISTIC
Fibre (ISO/IEC 60793)	OS2 = G652D, OM1, OM2, OM3 + OM4
Cable (LSZH)	Black (other colours available)
Crush Resistance	3000N / 100 mm
Operation Temperature	-20 to +70°C
Installation Temperature	-20 to +70°C
Storage Temperature	-40 to +70°C

Attribute	4 Core	8 Core	12 Core	24 Core
Nominal Diameter (mm)	6.5	7.0	7.5	8.5
Nominal Weight (kg/km)	34	39	43	63
Heat of combustion (MJ/km) - (KW/m)	760 0.21	970 0.29	1180 0.33	1700 0.47

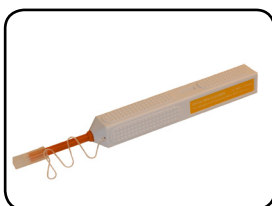
## Connector Performance

Connector Type	Insertion Loss Typical	Insertion Loss Max	Return Loss
Single-mode Connectors	0.10dB	0.35dB	>60dB
Multimode Connectors	0.10dB	0.50dB	N/A

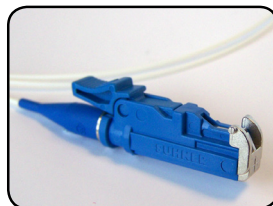
## Available Accessories



Fibre Patch Panels



Cleaning Pens



Pigtails



Patchleads



Wall Box

\*Please note, product specifications are subject to change in line with availability

## Optical Fibre Specifications

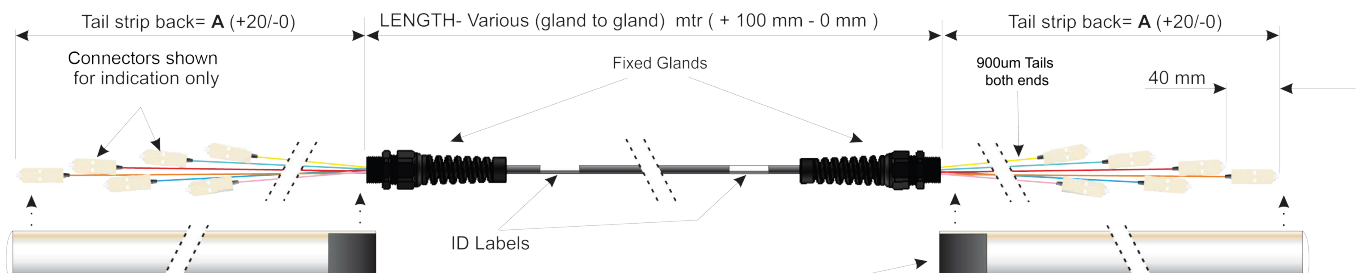
### Multimode Fibres

Multimode Fibres	Overall Bandwidth (MHz x km)		Max. Link Length** for 1 GBit/s (m)		Max. Link Length for 10 GBit/s (m)		Fibre Attenuation (dB/km)	
	850nm	1300nm	850nm (1000Base-SX)	1300nm (1000Base-LX)	850nm (10GBase-SR) (10GBase-SW)	1300nm (10GBase-LX4)	850nm	1300nm
<b>EN 50173/ISO 11801</b>								
<b>50/125 um</b>								
OM3	>1500	>500	100	600	300	300	<2.7	<0.7
OM4 Laser Optimised	>3500	>500	1040	600	550	300	<2.7	<0.7

### Single-mode Fibres

Single-mode Fibres	Chromatic Dispersion		Cut-off-Wave Length (cabled) (nm)	Point Discontinuity (dB)	Fibre Attenuation (dB/km)			Fibre Geometrical Properties (um)		
	1310nm	1550nm			1310nm	1380-1386nm	1550nm	Mode-field	Cladding	Coating
<b>IEC 60793/ EN 50173/ISO 11801</b>										
<b>9/125 um</b>										
OS2(ITU-T G.652D)	>3.5	>18.0	>1260	<0.1	<0.34	<0.31	<0.22	9.2 ±0.4	125 ±1	245 ±5

## Tight Buffered Standard Preterm Assembly - Fixed Gland (Generic)



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