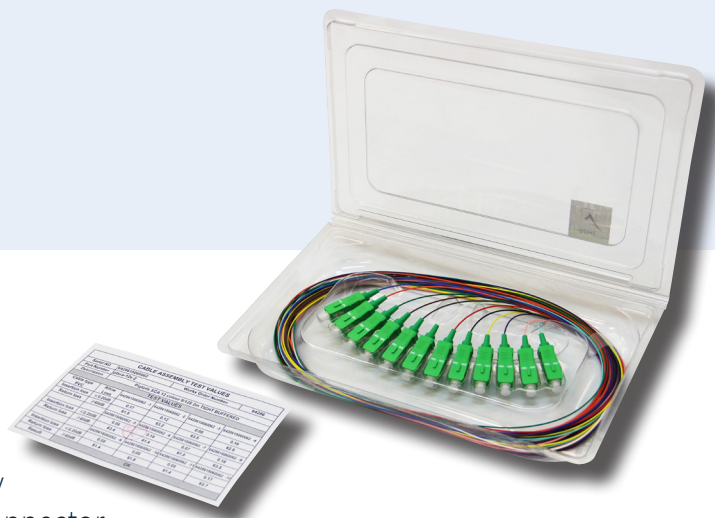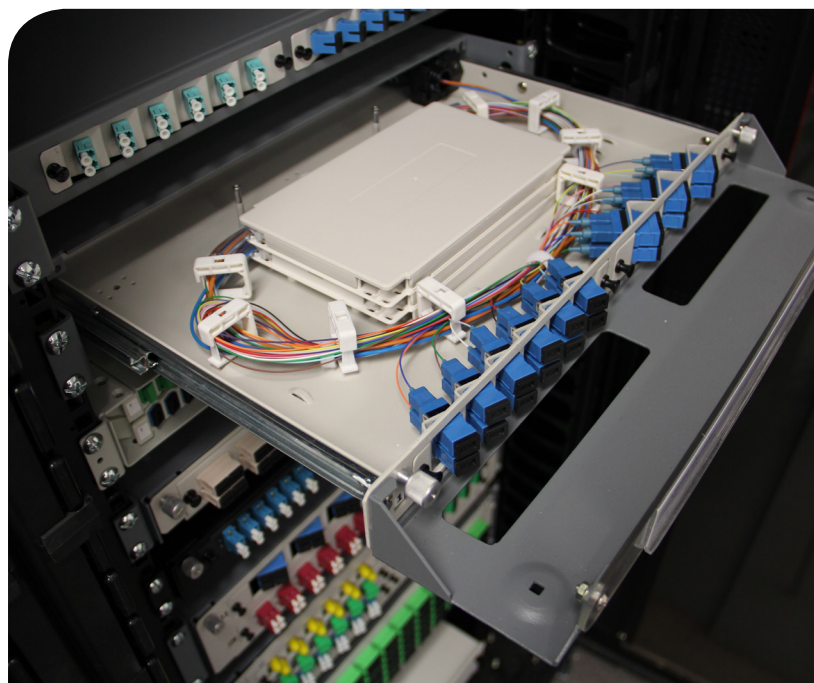# Fibre Optic Pigtails

Fibre optic pigtails offer a convenient method of fibre cable termination. Each individual fibre comes factory terminated with a machine polished, factory tested connector.

FOS manufactures and supplies a broad range of pigtails in a variety of connector styles, pack sizes and fibre modes. All pigtails are factory tested and guaranteed.

Applications

- All networks including Ethernet, Fast Ethernet, GbE & beyond
- Ideal for a wide range of telecom, datacom, process control and infrastructure networks
- Suitable for repeat handling in enclosures
- CATv, FTTx and MDU networks

Features & Benefits

- Prepackaged in specially made blister packaging, ensuring terminations remain undamaged and untangled during transit (some exclusions apply)
- Easy to strip tight buffer lowers fibre damage or breakage during installation
- Standards based testing and insertion/return loss ensures guaranteed results
- Geometry compliant precision connectors ensure repeatable low loss results
- Variety of connector types, pack sizes and fibre modes available to match your fibre network
- Standards compliant fibre buffer
- All packages come supplied with test results for each individual fibre termination
- Low smoke zero halogen buffer ensures pigtails are suitable for a range of indoor environments
- RoHS compliant

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

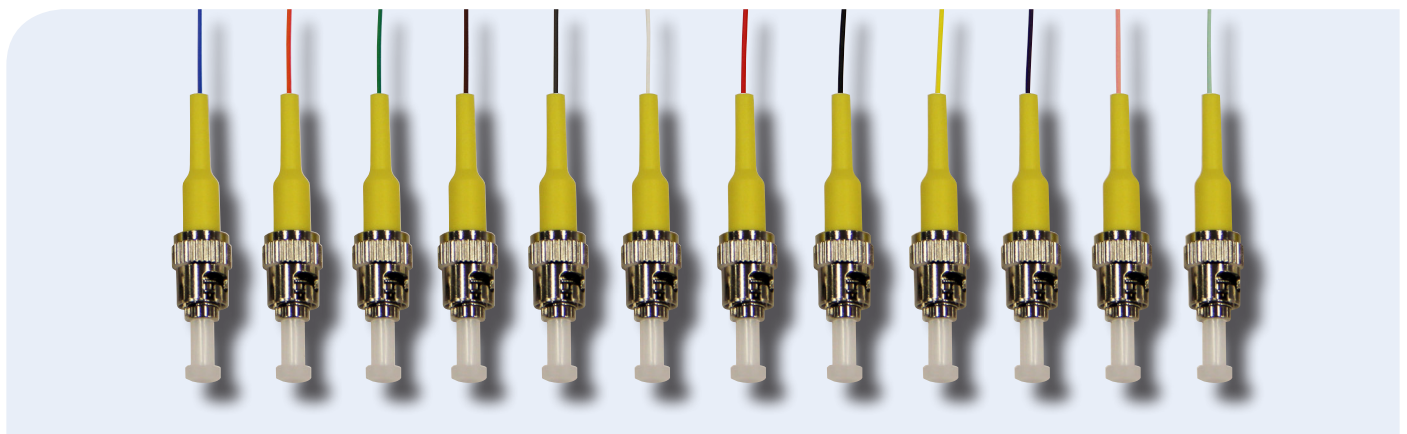For further information:
www.fibreoptic.com.au
+61 3 9757 3000

Page 1 of 3

FOS
Fibre Optic Systems

Technical Specifications

SC, SCA, LC, LCA, ST, FC

Fibre Mode	OM1	OM3	OM4	OS1/2
Core/Cladding (um)	62.5/125	50/125	50/125	9/125
Fibre Conformance	TIA/EIA 492AAAA	ITU G651.1	ITU G651.1	ITU G652.D
Insertion Loss (max dB)	0.30	0.30	0.30	0.25
Insertion Loss (avg dB)	0.15	0.15	0.15	0.18
Insertion Loss (random)	0.20	0.20	0.20	0.18
Return Loss (dB)	N/A	N/A	N/A	APC: >60 PC: >50
Crush (N/100mm^2)	500			
Max Tensile Load (N)	6			
Pack Sizes (fibres)	6, 12			
Jacket Diameter (mm)	0.9 Standard (2, 3 available)			
Jacket Material	Low Smoke Zero Halogen			
Operating Temp (ºC)	-20 to +60			

Applicable Standards

Insertion Loss	All SC, SCA, LC, LCA, ST, FC pigtails comply with the loss requirements of ISO/IEC 61300-3-4, ISO/IEC 61300- 3-34 & AS/NZS ISO/IEC 14763.3
Return Loss	All singlemode pigtails comply with the return loss requirements set out in ISO/IEC 61300-3-6
Colour Coding	All pigtails comply with TIA-598C & AS/CA S008:2010 colour code requirements
Cable Attenuation	Cable attenuation falls below levels specified in AS/NZS 3080
Testing	All testing is completed with reference grade patch leads and precision zirconia sleeve adapters and meet all requirements for testing in AS/NZS ISO/IEC 14763.3
Fibre Standards	Singlemode pigtails meet ITU 652.D guidelines and TIA/EIA 492 CAAA OM3 & OM4 pigtails meet ITU 651.1 guidelines and conform to TIA/EIA 492 AAAB OM1 multimode pigtails meet requirements set out in TIA/EIA 492 AAAA

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
+61 3 9757 3000

FOS
Fibre Optic Systems

Ordering Information

P M4 - SC 2M - 12 (- 2 C)

Pigtail	Cable Mode		Connectors		Length (m)		Fibre Count		Cable Diam.		Colour	
	S:	OS1/2	SC:	SC/UPC	2M:	2m	06:	6 Fibres	9:	900um	C:	12 Colour (TIA 598C)
	M1:	OM1	SCA:	SC/APC			12:	12 Fibres	2:	2.0mm		
	M3:	OM3	LC:	LC/UPC	Custom lengths available by special order				3:	3.0mm	AQ:	Aqua
	M4:	OM4	LCA:	LC/APC							BU:	Blue
			ST:	ST/UPC							OG:	Orange
			FC:	FC/UPC							BK:	Black
			E2K:	E2000/APC							RD:	Red
			MTRJ:	MTRJ/PC							YL:	Yellow
											GN:	Green
											VT:	Violet
											PL:	Purple
											PK:	Pink

Note: Leave diameter and colour blank for standard 900um coloured pigtails

Contact FOS for any further variations

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

FOS
Fibre Optic Systems

For further information:
www.fibreoptic.com.au
+61 3 9757 3000

1013.01 - Fibre Optic Pigtails - 07.15