

FAST SERVICE
& TURN AROUND



ADVANCED
IN-HOUSE
ENGINEERING



FIBRE & COPPER
CABLE
MANUFACTURING



EXPERT TECHNICAL
SUPPORT & ADVICE



PROUDLY
AUSTRALIAN
OWNED & OPERATED

FIBRE OPTIC PIGTAILS





JCS TECH – QUALITY PRODUCTS YOU CAN TRUST!

FEATURES

- Easy to strip and cleave
- LSZH buffer as standard
- Factory-terminated and tested
- Standards based testing provides traceable and repeatable results
- Ultra high performance zirconia ferrules
- Factory terminated under ISO9001 quality control procedures
- Interferometer testing for end-face geometry
- Individually bagged and labelled
- Broad stock holding range
- Specialists in harsh environment / hybrid terminations
- RoHS Compliant
- Corning Glass

APPLICATIONS

- Termination of optical fibre via fusion splicing
- Temporary termination of fibre cable for acceptance testing

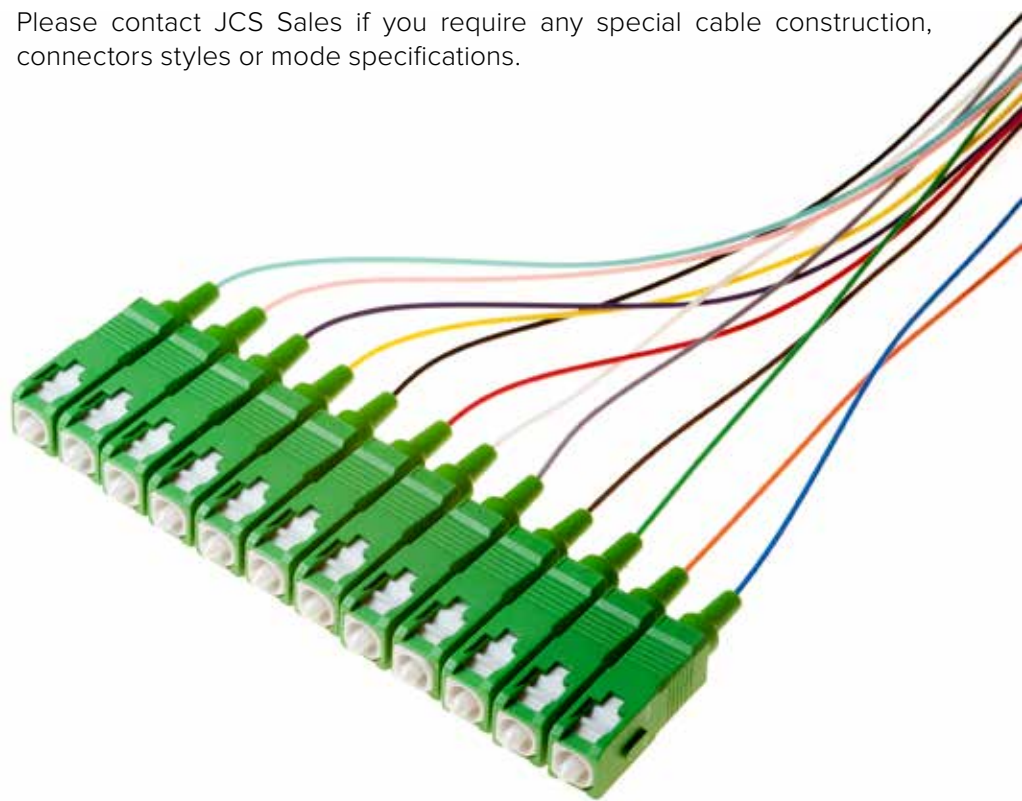
FIBRE OPTIC PIGTAILS

JCS Technologies manufactures and supplies high quality, low loss fibre optic pigtails and assemblies using only the highest grade components, advanced inspection and characterization tools.

JCS Tech fibre pigtails are by standard packaged in 6 or 12 pack, coloured as per TIA-598C colour code specification. All JCS Tech fibre pigtails are factory tested and packaged with test results so you can be confident that you receive the highest quality.

JCS Tech stocks a broad range of pigtails in a variety of connector styles and fibre modes.

Please contact JCS Sales if you require any special cable construction, connectors styles or mode specifications.



JCS TECHNOLOGIES IS ISO9001 ICG CERTIFIED



All JCS and technology partner processes are certified to ISO9001, employing advanced test and measurement technology including Interferometer connector end face analysis and return loss testing compliant with and fully traceable to international standards.

JCS cable assemblies are machine polished using the highest quality components to ensure a consistent high quality, long lasting termination that exceeds performance requirements.

FIBRE OPTIC CONNECTOR TYPES

Typical fibre connector interfaces are LC, SC, and ST in either multimode or single-mode applications. The matrix below refers to those commonly used in Australia market, with custom lengths, colours and types available on request.



JCS also has an in house supply and / termination capability for harsh environment, military, tactical field, industrial, mining and broadcast fibre leads and assemblies.

TECHNICAL SPECIFICATIONS

Connector Optical Specifications

Connector Types: LC, SC, ST, FC	Units	MM 850/1300 nm				SM 1310/1550 nm			
		Standard		Low Loss		UPC		APC	
		Typ	Max	Typ	Max	Typ	Max/Min	Typ	Max/Min
Max. Insertion Loss	dB	0.1	0.15	0.1	0.15	0.08	0.15	0.08	0.15
Min. Return Loss	dB	N/A				58	55	70	65

Cable / Fibre Optical Specifications

Fibre and Cable Optical Parameters			Multimode			Singlemode
Condition	Units	OM1	OM3	OM4	OS1/OS2	
Geometry	core/clad dia.	µm	62.5/125	50/125	50/125	9/125
Standard			TIA/EIA 492AAAA	ITU G651.1	ITU G651.1	ITU G657.A2
Attenuation	850/1300nm Typical	dB/km	3.0/1.0	3.0/1.0	3.0/1.0	0.36/0.22
	850/1300nm Maxv	dB/km	3.5/1.5	3.5/1.5	3.5/1.5	0.5/0.4
	1550nm	dB/km	-	-	-	0.25
Bandwidth	850nm (LED)	MHz.km	200	1500	3500	-
	1300nm (LED)	MHz.km	500	500	500	-
Bandwidth	850nm (Laser)	MHz.km	-	2000	4700	-
	1300nm (Laser)	MHz.km	-	500	500	-



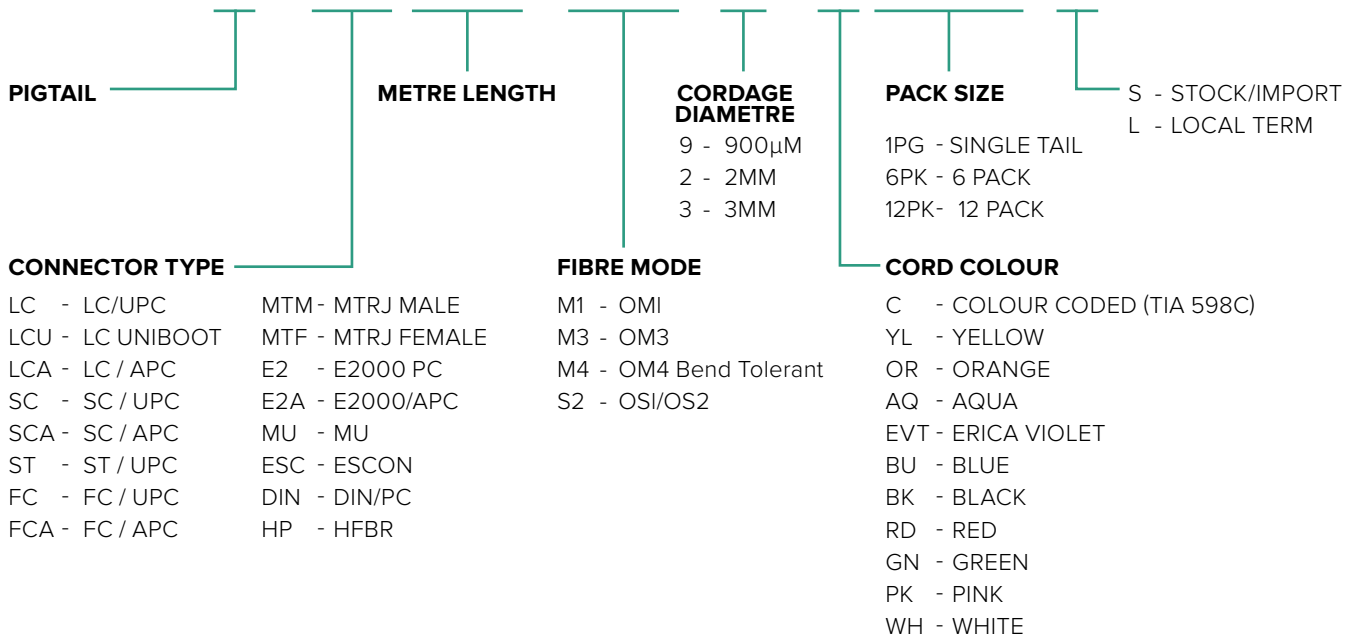
Cable / Fibre Mechanical and Environmental Specifications

Cable Parameters	Condition / Unit		
Temperature	Storage	°C	-20/+70
Impact Resistance	impacts		750
Flex Resistance	cycles		7500
Crush Resistance	N/100mm ²		500
Flame Retardancy	IEC 60332-1, IEC 60332-3, IEC 1034 1/2, & IEC 60754-1/2		
Diameter	mm	0.900 standard [2mm & 3mm upon request]	
Weight	kg/km	0.9	
Tensile Load	N	6	
Jacket Material	LSZH		
Pack Sizes (fibres)	6 & 12 standard [Individual upon request]		

JCS Technologies Pigtails and Patch Leads meet the functional requirements of the following standards:

- GR-409-CORE
- TIA-568
- IEC61300-3-4
- GR-326-CORE
- IEC 61300-3-35
- AS/CA S008
- AS/NZS 14763
- IEC61753-1

P-LC2M-M4-9-C6PK-S



NOTE: If there is a particular product not listed that you require, please contact the JCS Technologies Sales and Support Team: (02) 8878 6600