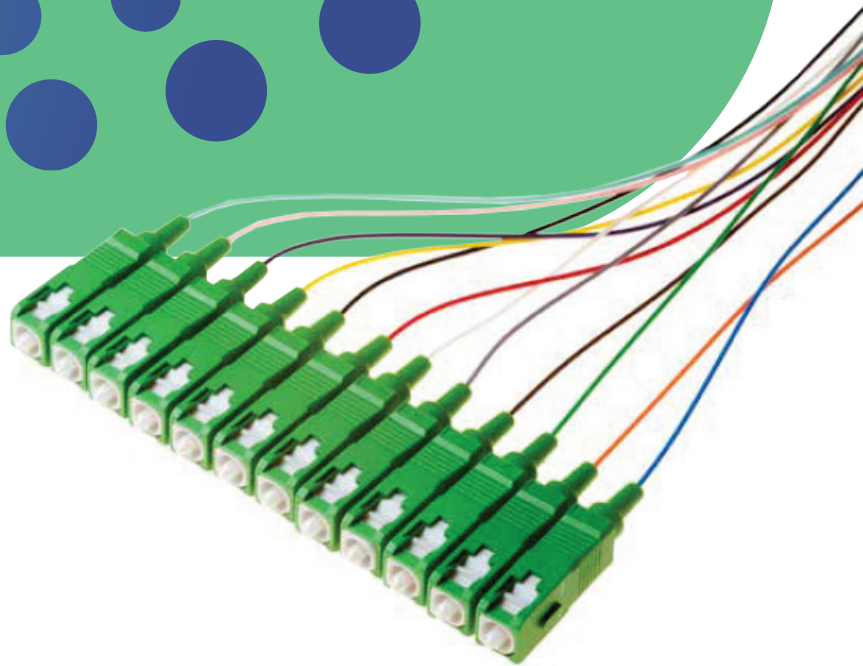


JCS TECHNOLOGIES

Fibre Optic Pigtails





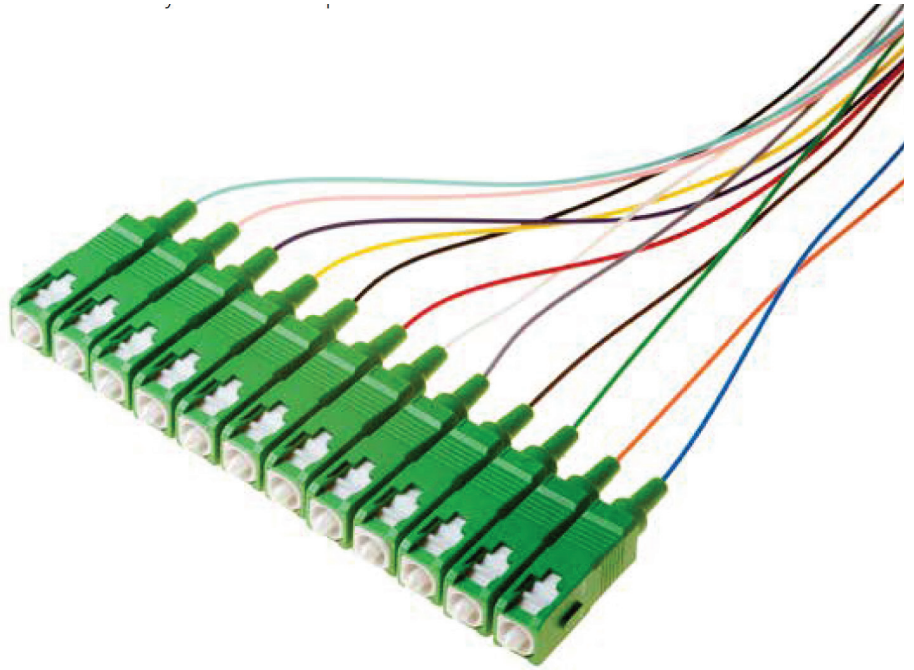
FIBRE OPTIC PIGTAILS

APPLICATION

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

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 endface geometry
- Individually bagged and labelled
- Broad stock holding range
- Specialists in harsh environment / hybrid terminations
- RoHS Compliant
- Corning Glass



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

JCS fibre pigtails are by standard packaged in 6 or 12 pack, coloured as per TIA-598C colour code specification.

All JCS fibre pigtails are 100% factory tested and packaged with test results.

JCS 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 9001:2015
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.

NOTE: If there is a particular product not listed that you require, please don't hesitate to contact the JCS Technologies Sales and Support Team today





FIBRE OPTIC PIGTAILS

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 the Australian 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 | - |
| Min Bend Radius | mm | | 25 | 25 | 25 | 7.5 |

NOTE: If there is a particular product not listed that you require, please don't hesitate to contact the JCS Technologies Sales and Support Team today



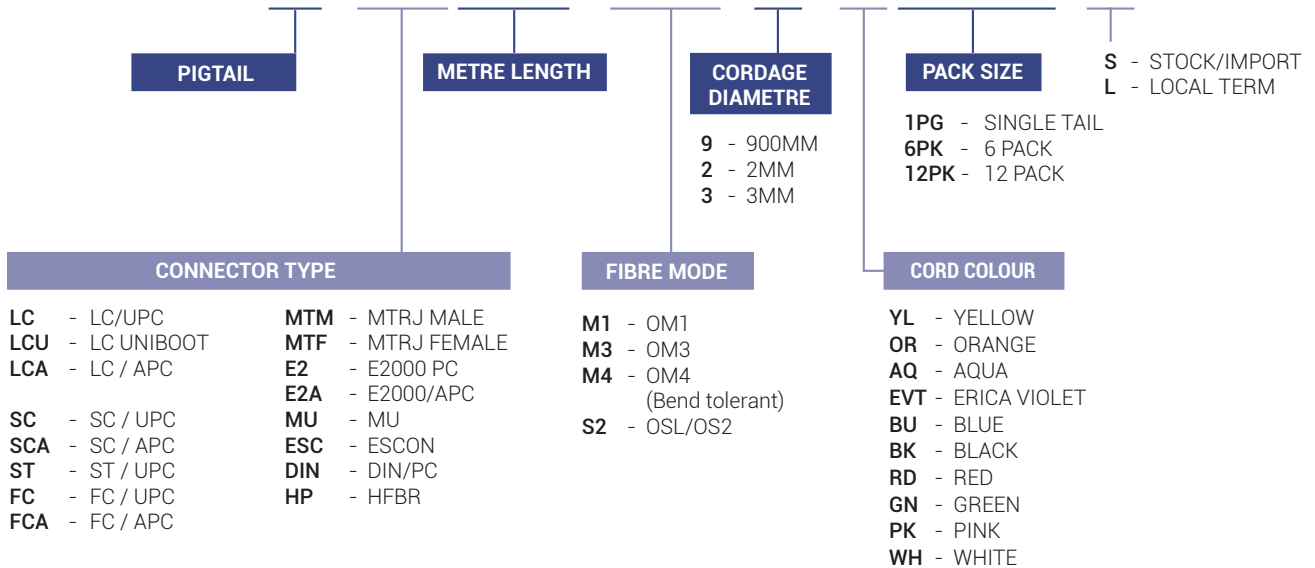
Cable / Fibre Mechanical and Environmental Specifications


| Cable Parameters | Condition/Unit | |
|---------------------|----------------------|---|
| Temperature °C | Storage | -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 | 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
- ICEA-S-83-596
- TIA-598
- IEC61300-3-6
- IEC61753-1


P-LC2M-M4-9-C6PK-S



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