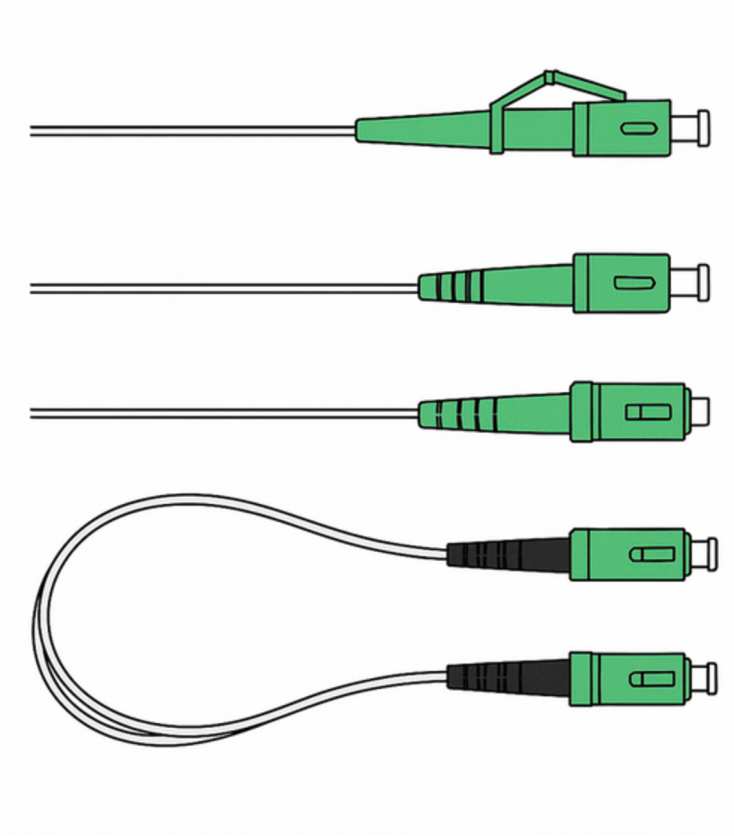
VEYRA FIBRE

PRODUCT SPECIFICATION

Pigtails & Patchcords

Bend-Insensitive Single Mode, IEC Grade B Optical Performance

Single Mode Pigtails and Patchcords provide high-performance, factory-terminated connectivity solutions for a range of fiber optic network deployments. Built with precision-machined ceramic ferrules and tested to IEC 61755-1 Grade B standards, these assemblies ensure consistent low insertion loss and high return loss, making them ideal for applications requiring reliable performance over extended distances. All assemblies are manufactured with G.657.A2 bend-insensitive fibre, suitable for dense installations and challenging routing environments.



Pigtails feature a pre-terminated connector on one end and an open fiber end for fusion splicing to primary coated fibers.

Patchcords are terminated with connectors on both ends for direct interconnections between panels, enclosures, and active equipment.

Optical Performance	Value	Test Method
Insertion Loss (Max)	≤ 0.25 dB	IEC 61300-3-4
Return Loss (SM, UPC)	≥ 50 dB	IEC 61300-3-6
Return Loss (SM, APC)	≥ 60 dB	IEC 61300-3-6

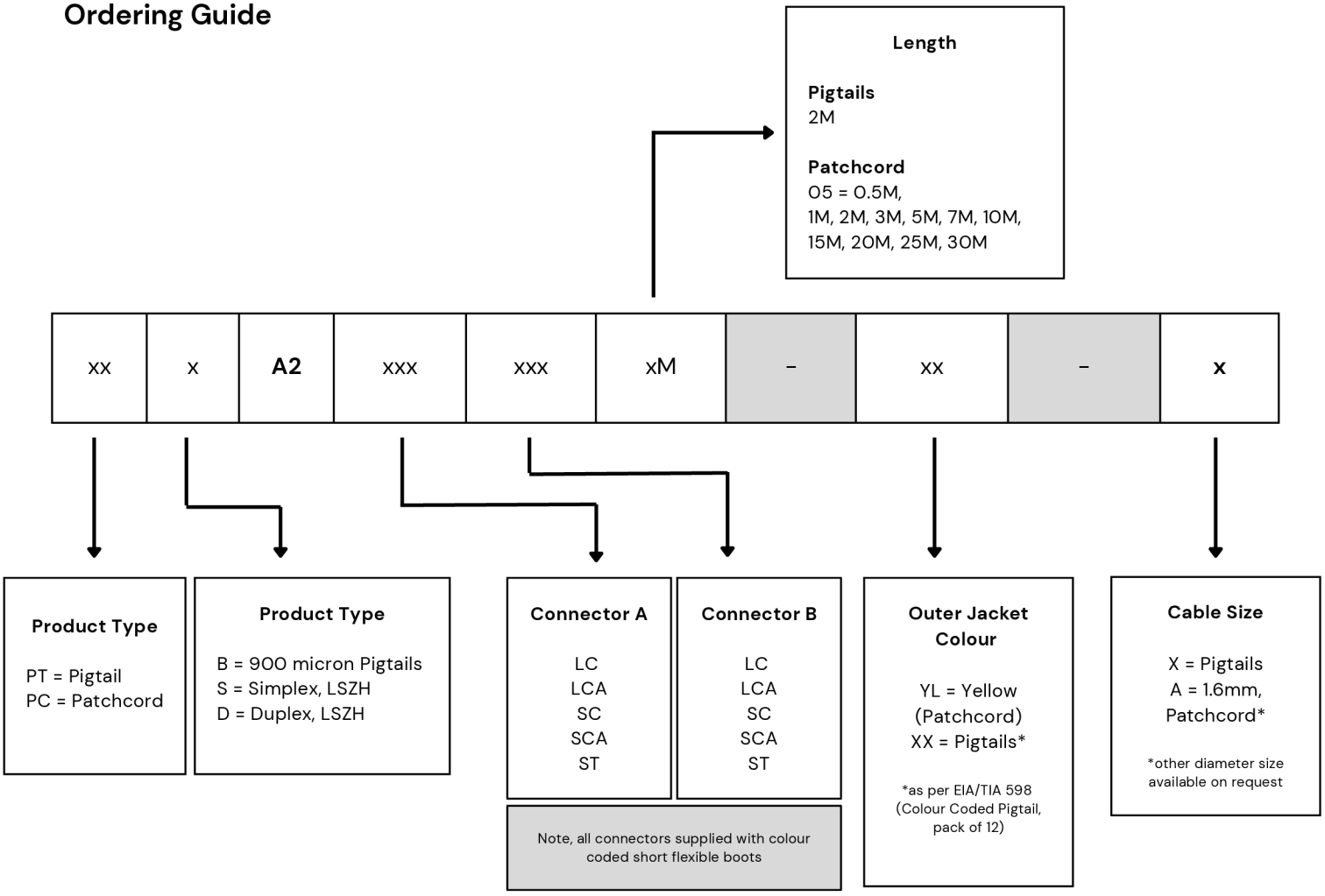
Applications

- Pigtails enable fusion splicing terminations in optical distribution frames and enclosures
- Patchcords provide Equipment-to-panel patching in data centres, telecom exchanges, and enterprise networks
- Cross-connect configurations between passive panels and active devices
- Suitable for use in metro, access, and backbone networks requiring stable low-loss connectivity
- Ideal for environments with tight routing constraints due to bend-insensitive fibre construction

Features and Benefits

- Fully compliant with IEC 61755-1 Grade B for superior optical performance (low insertion and return loss)
- Manufactured with G.657.A2 bend-insensitive single mode fibre for improved flexibility and reduced risk of macro and micro bending losses
- Precision ceramic ferrules ensure high durability, repeatability, and alignment accuracy
- Factory polished, 100% tested for insertion loss and return loss
- Compatible with telecommunications, data centre, FTTx, and enterprise infrastructure environments

Ordering Guide



Order Example

PT	B	A2	LC	OO	2M	-	XX	-	X

900 micron Pigtail, LC/UPC, G.657.A2 Single Mode fibre, Colour coded pigtails as per EIA/TIA 598, 2 metre length, supplied in pack of 12

PC	S	A2	SC	SC	5M	-	YL	-	A

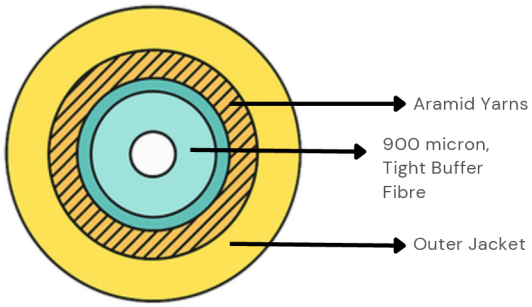
SC/UPC Both End Simplex 1.6mm Patchcord, G.657.A2 Single Mode fibre, Yellow Outer Jacket, 5 metre length

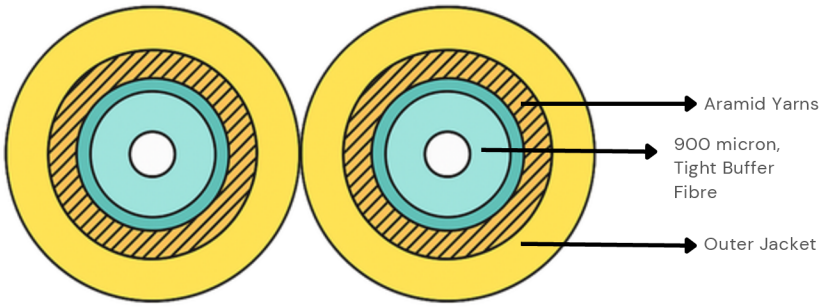
Packaging

Plastic Bag with label showing Part Number, Product Description, Batch Number and Optical Test Report

Patchcord Cable

Specifications & Construction





Parameters	Simplex	Duplex
Outer Jacket	LSZH	LSZH
Strength Member	Aramid Yarns	Aramid Yarns
Crush Resistance (N/100mm)	1000	1000
Operating Temperature	-40°C to +70°C	-40°C to +70°C

Applicable Standards

- Australian Compliance: AS/CA S008
- Optical Fibre: IEC 60793
- Cable Construction & Mechanical Performance: IEC 60794
- Connector Performance: IEC 61755-1 (Grade B)
- Optical Measurement Methods: IEC 61300-3
- Fire Performance: IEC 60332-1
- Structured Cabling Compliance: ISO/IEC 11801