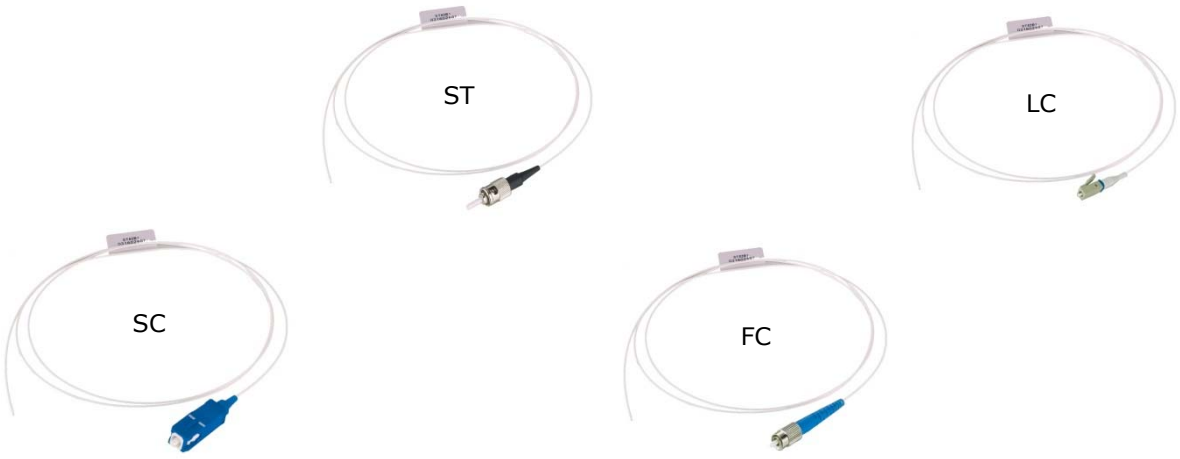
Pigtails

Prysmian Part Numbers: *See following page*



High performance optical pigtails are a defining factor in ensuring any network performs to the highest level. Prysmian offers an extensive range of optical pigtails for use in FTTx, telecommunications, data communications and CATV applications. All pigtails are fully qualified to Telcordia GR326 and IEC61300 and all materials used are RoHS compliant.
Pigtails can be supplied in a variety of lengths, colours and with a variety of different connector types. The standard fibre type used is G657A1 for singlemode pigtails, but different fibre types and cable diameters are also available on request.

Features and Benefits

- Full traceability and test certification supplied with each assembly.
- Ultra polish (UPC) supplied as standard and Angle polish (APC) also available. Pigtails are un-tuned. Tuned pigtails are available on request.
- Qualified to Telcordia GR326 and IEC 61300 standards and RoHS compliant materials.
- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC, DIN and others on request.
- Available in singlemode and multimode (50/125 and 62.5/125).
- Standard fibre type supplied is singlemode G657A1 or multimode OM1/OM2/OM3/OM4 and OM4 plus.
- Standard length supplied is 2 metres.
- Standard cable diameter is 900 micron with easy strip buffering. Ruggedised pigtails can also be supplied in 1.6mm, 2mm and 3mm. Contact Prysmian for further information.
- 900 micron pigtails are supplied in sets of 6 or 12 colours as standard.
- The fibres and the buffer are both coloured to ensure ease of identification when stripped.
- All connectors are supplied with ceramic ferrules.
- Pre-installation of pigtails into Connectivity equipment is possible. See relevant data sheets for further information.

Applications

- FTTx
- Telecommunications
- Data communication
- CATV
- Test and measurement

Additional Items

- None

Technical Data

Singlemode (1310/1550nm)

- Maximum Insertion Loss (dB): ≤ 0.3 Typical 0.2 (UPC and APC)
- Return Loss (dB): ≥ 55 (UPC), ≥ 65 (APC)
- Intermateability: IEC 874-14
- Operating temperature: -40ºC to + 85ºC

Multimode (850nm)

- Maximum Insertion Loss (dB): ≤ 0.4 (UPC)
- Return Loss (dB): Not measured
- Intermateability: IEC 874-14
- Operating temperature: -40ºC to + 85ºC

Part Numbers

Pigtail part numbers are made up using the table below. The part number is 18 digits in length.

The part number always starts with the letters PIG to denote that it is a pigtail. This is followed by a dash and then a three digit code for the length of the pigtail. Another dash is followed by a single letter code. This represents the connector type of the pigtail. Another dash is next, followed by a single letter code to denote the fibre type of the pigtail. After another dash a two digit code denotes the fibre diameter. Another dash is then followed by the termination type and a final dash is followed by a single letter code for the colour and number of pigtails.

Note: Pigtails can only be ordered in 0.5 metre increments up to 10 metres. Above 10 metres pigtails must be ordered in 1 metre increments.

PIGTAIL	DASH	LENGTH	DASH	CONNECTOR 1	DASH	FIBRE TYPE	DASH	DIAMETER	DASH	TERMINATION	DASH	COLOUR
PIG	-	XXX	-	X	-	X	-	XX	-	X	-	X

PAT = Patchcord

Enter lentgth in three digits

Examples: -
0.5 = 0.5metre
001 = 1 metre
015 = 15 metres
099 = 99 metres

A = FC/UPC
B = FC/APC
C = SC/UPC
D = SC/APC
E = ST
F = E2000/UPC
G = E2000/APC
H = LC/UPC
J = LC/APC
K = DIN/UPC
L = DIN/APC

A = SM G652D
B = SM G657A1
C = SM G655C
D = MM 62.5/125 OM1
E = MM 50/125 OM2
F = MM 50/125 OM3
G = MM 50/125 OM4
H = SM G657B2
J = SM G657B3
K = SM G657A2
L = MM 50/125 OM4 PLUS

*Others on request

09 = 0.9mm
16 = 1.6mm
20 = 2.0mm
30 = 3.0mm

*Others on request

S = Simplex
D = Duplex

A = Red
B = Blue
C = Green
D = Yellow
E = Violet
F = White
G = Orange
H = Grey
J = Brown
K = Black
L = Turquoise
M = Pink
N = Set 2 Colours **
P = Set 4 Colours **
Q = Set 6 Colours **
R = Set 8 Colours **
S = Set 12 Colours **

*Others on request

**Pigtail Colour Code

The pigtail colour code can be seen in the table below. When ordering sets of pigtails, they are supplied with the colours from 1 to 12. For example if a set of 6 pigtails is ordered the colours supplied are Red, Blue, Green, Yellow, Violet and White.

Fibre No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Turquoise	Pink

Example of a pigtail part number: -

PIG-2.5-D-B-09-S-S

The above example describes a pigtail 2.5 metres in length, with SC/APC connector. The fibre type is G657A1 and the diameter of the pigtail is 0.9mm. Pigtails are simplex and the part refers to a pack of 12 colours.

Please contact your local sales office listed on **www.prysmiangroup.com**

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