Pigtails
North America Market Specifications

Prysmian

DESCRIPTION

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, colors and with a variety of different connector types. The standard fiber type used is G657A1 for singlemode pigtails, but different fiber types and cable diameters are also available on request.

DESIGN FEATURES

- 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 fiber type supplied is singlemode G657A1 or multimode OM1/OM2/OM3/OM4 and OM4 plus.

- Standard length supplied is 2 meters.

- 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 colors as standard.

- The fibers and the buffer are both colored 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.

SPECIFICATIONS AND RATINGS

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: -40°C to + 85°C

Multimode (850nm)
- Maximum Insertion Loss (dB):   ≤ 0.4 (UPC)
- Return Loss (dB):   Not measured
- Intermateability: IEC 874-14
- Operating temperature: -40°C to + 85°C

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

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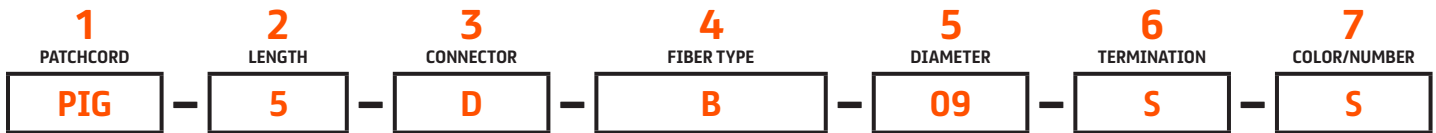
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PART NUMBERS

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 fiber type of the pigtail. After another dash a two digit code denotes the fiber diameter. Another dash is then followed by the termination type and a final dash is followed by a single letter code for the color and number of pigtails.

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

Ordering Guide

Example: Pigtail, 5 Meters, SC/APC Connector, G657A1 Fiber, 0.9mm diameter, Simplex, Pack of 12 colors.

1 PATCHCORD	2 LENGTH	3 CONNECTOR	4 FIBER TYPE	5 DIAMETER	6 TERMINATION	7 COLOR/NUMBER
PIG	5	D	B	09	S	S

1 PATCHCORD

PIG = Pigtail

2 LENGTH

Meters

3 3-DIGIT CONNECTOR

A = FC/UPC
B = FC/APC
C = SC/UPC
D = SC/APC
E = ST/UPC
H = LC/UPC
J = LC/APC
L = SC/MM
M = FC/MM
N = LC/MM
P = ST/MM
R = ST/APC
T = MU/UPC

4 FIBER TYPE

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

5 DIAMETER*

09 = 0.9mm
16 = 1.6mm
20 = 2.0mm
30 = 3.0mm
*Others on request

6 TERMINATION

S = Simplex
D = Duplex

7 COLOR/NUMBER

1 = Blue
2 = Orange
3 = Green
4 = Brown
5 = Grey
6 = White
7 = Red
8 = Black
9 = Yellow
V = Violet
K = Rose
A = Aqua
N = Set 2 Colors **
P = Set 4 Colors **
Q = Set 6 Colors **
R = Set 8 Colors **
S = Set 12 Colors **
**Others on request

The pigtail color code can be seen in the table below. When ordering sets of pigtails, they are supplied with the colors from 1 to 12. For example if a set of 6 pigtails is ordered the colors supplied are Blue, Orange, Green, Brown, Grey, White.

1	2	3	4	5	6	7	8	9	V	K	A
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Rose	Aqua

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