

## Cabled Pigtails

Cabled pigtails are used for the termination of optical cables via fusion or mechanical splicing. They consist of a high quality 2mm or 3mm LSZH cable that allows more robust handling. They are terminated with an optimized connector for low insertion loss and low back reflection. They fully conform to IEC, TIA/EIA and Telcordia standards.

### Applications

- CATV / VIDEO
- Passive Optical Network (PON)
- WDM / DWDM
- FTTH
- Data centres - Supports high speed multi-channel video, data and voice services in metropolitan and access networks
- ATM, SONET and WDM

### Features

- No need to be protected inside a panel or a wall box
- Can be fed through tight spaces and spliced or terminated
- Fibre options and wide range of connector available
- Other fibre types and cable diameters available upon request
- REACH, RoHS and SvHC compliant
- Standard cable diameters are 2mm for LC and MU and 3mm for SC, ST and FC
- Tight Buffer 900µm buffer internal construction as standard (easy strip available upon request)

## Specifications

### Connector Specification

| OPTICAL PERFORMANCE        | SINGLEMODE | MULTIMODE | CONFORMANCE    |
|----------------------------|------------|-----------|----------------|
| IL Max/Master (Acceptance) | 0.25dB     | 0.25dB    | IEC 61300-3-4  |
| Ave/Master                 | 0.18dB     | 0.15dB    | IEC 61300-3-4  |
| Ave/Random                 | 0.18dB     | 0.20dB    | IEC 61300-3-34 |
| Return Loss*               | 55/65dB    | >28dB     | IEC 61300-3-6  |

Note: Multimode Return Loss >28dB based on sample data using method IEC 61300-3-6

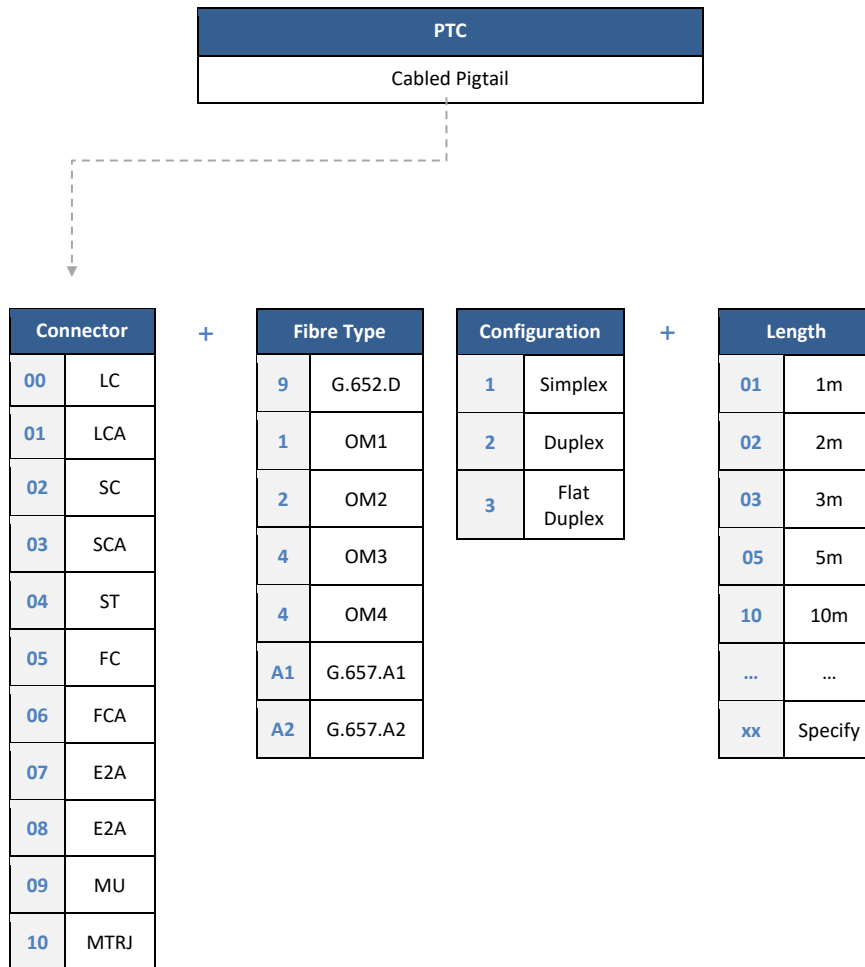
### Connector Performance

#### CHARACTERISTICS

|                            |             |
|----------------------------|-------------|
| Cable Material             | LSZH        |
| Strength Member            | Aramid      |
| Crush (N)                  | 1000        |
| Operating Temperature (°C) | -20 to +60  |
| Fire Specification         | IEC 60332-1 |

\*Cable materials to suit alternate fire specifications on request

## Ordering Information



### Examples:

**PTC-01-91-01** – Cabled Pigtail LC/APC Singlemode G.652.D Simplex 1m

**PTC-02-12-02** – Cabled Pigtail SC/UPC Multimode OM1 Duplex 2m