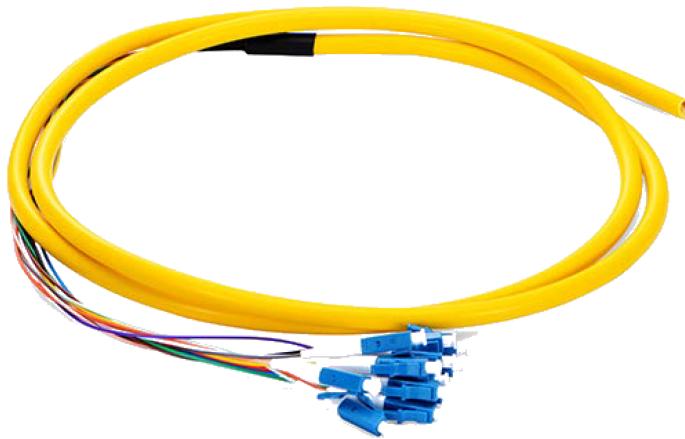


# 12 Fibers Pigtails Datasheet

0.9mm cable for high density splicing applications.



## 12 Fibers Pigtails

Fiber optic pigtail is a tight buffered fiber cable with connectors pre-terminated on one end and exposed fiber on the other. The exposed end could be stripped and fusion spliced to a single or multi-fiber trunk. Bunch and color-coded types are available. And these pigtails feature a typical 900 $\mu$ m tight buffered as default. They are easy for fusing and protecting the tight buffers from damage.

## Features

- 1.Tight buffer for easy fusion or mechanical splicing.
- 2.0.9mm cable for high density splicing applications.
- 3.OS2/OM4/OM3 are for your choice.
- 4.LC/SC connectors are available.
- 5.UPC and APC polish type.
- 6.Tested for insertion loss, return loss and end face.

## Standards Compliance



## Technical Specification

| Physical Characteristics        |                                                            | Description |             |
|---------------------------------|------------------------------------------------------------|-------------|-------------|
| <b>Cable Type</b>               | Bunch                                                      |             | Color-coded |
| <b>Fiber Count</b>              | 12 Fibers                                                  |             | 12 Fibers   |
| <b>Fiber Mode</b>               | OS2/OM3/OM4                                                |             | OS2         |
| <b>Fiber Grade</b>              | OS2: G.652.D;<br>OM4/OM3: Bend Insensitive                 |             | G.652.D     |
| <b>Connector Type</b>           | LC/SC                                                      |             | LC/SC       |
| <b>Polish Type</b>              | OS2: UPC/APC;<br>OM3/OM4: UPC                              |             | UPC/APC     |
| <b>Fiber Diameter (mm)</b>      | 0.9                                                        |             | 0.9         |
| <b>Cable Jacket</b>             | PVC (Riser/OFNR)                                           |             | /           |
| <b>Breakout Length (m)</b>      | 0.5 (Cable Length $\geq$ 3m);<br>0.3 (Cable Length $<$ 3m) |             | /           |
| <b>Minimum Bend Radius (mm)</b> | 20/10D (Dynamic/Static)                                    |             | 30          |

| Optical Characteristics      |  | Description |                                                                                                     |
|------------------------------|--|-------------|-----------------------------------------------------------------------------------------------------|
| <b>Insertion Loss (dB)</b>   |  |             | $\leq$ 0.3                                                                                          |
| <b>Return Loss (dB)</b>      |  |             | SMF: UPC $\geq$ 50, APC $\geq$ 60;<br>MMF: $\geq$ 30                                                |
| <b>Wavelength (nm)</b>       |  |             | SMF: 1310/1550;<br>MMF: 850/1300                                                                    |
| <b>Attenuation (dB/km)</b>   |  |             | SMF: $\leq$ 0.36 at 1310nm, $\leq$ 0.22 at 1550nm<br>MMF: $\leq$ 3.0 at 850nm, $\leq$ 1.0 at 1300nm |
| <b>Operating Temperature</b> |  |             | -40°C to 75°C                                                                                       |
| <b>Storage Temperature</b>   |  |             | -45°C to 85°C                                                                                       |