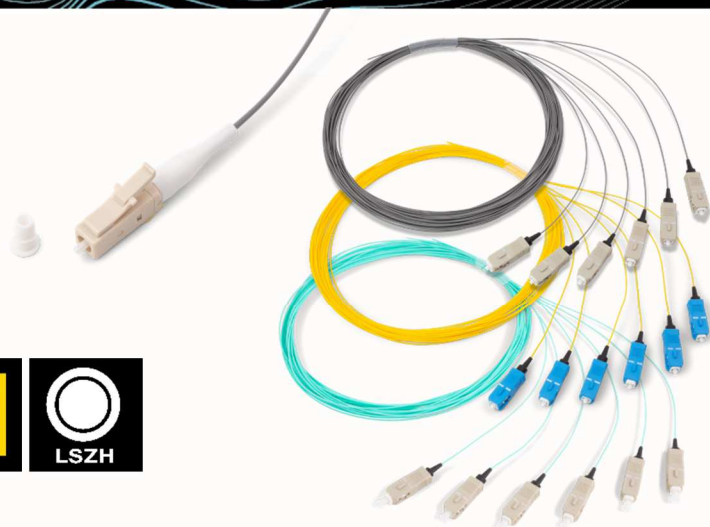


OPTICAL PIGTAILS

## OPTICAL PIGTAIL: ST, SC, LC, FC, MTRJ



### Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, OM5 and SingleMode 9/125 µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

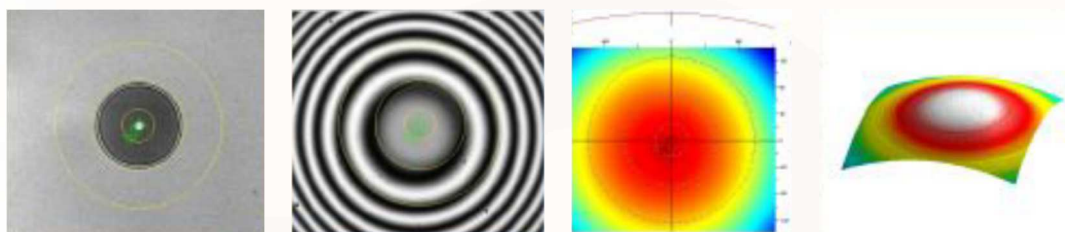
| Applications:                    | Features:                         |
|----------------------------------|-----------------------------------|
| Gigabit Ethernet                 | High Temperature Stability        |
| Telecommunication Networks       | Good Exchangeability              |
| Active Device Termination        | Good Durability                   |
| Video, CATV and Multimedia       | Low Insertion Loss                |
| Interconnection for O/E Modules  | High Back Reflection Loss         |
| Data Processing Networks         | 125µm Ceramic Ferrule Technology  |
| Premise Installations            | semi-tight cable constructions    |
| Industrial, Military and Medical | 900µm buffered fiber assemblies   |
|                                  | sheath LSZH                       |
|                                  | Factory terminated/factory tested |

| Specification:        | SINGLE MODE                        | MULTI MODE     |
|-----------------------|------------------------------------|----------------|
| Insertion Loss        | ≤0.2dB                             | ≤0.2dB         |
| Return Loss           | UPC≥55dB; APC≥65dB                 | UPC≥35dB       |
| Repeatability         | ≤0.1dB                             | ≤0.1dB         |
| Durability            | ≤0.2dB typical change 1000 matings |                |
| Interchangeability    | ≤0.1dB                             | ≤0.1dB         |
| Operating Temperature | -40°C to +85°C                     | -40°C to +85°C |

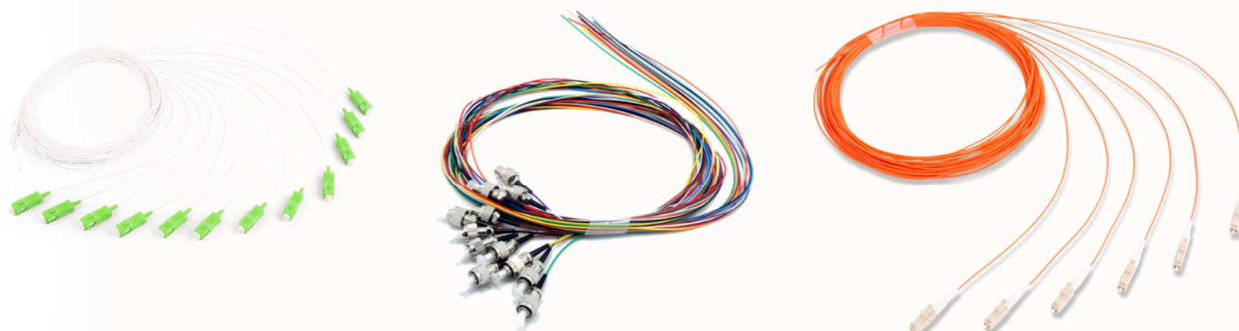
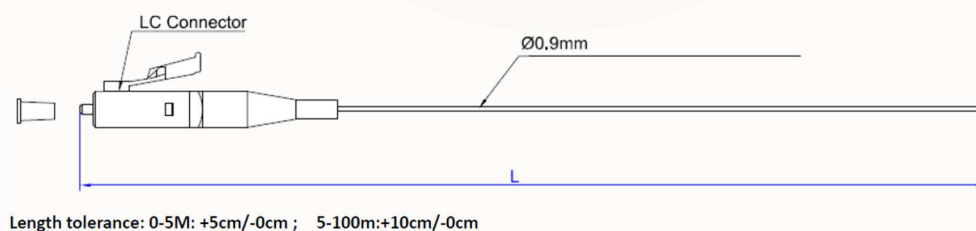
| Standard Compliace and Approvals:    |                                              |
|--------------------------------------|----------------------------------------------|
| IEC 60874-07                         | EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173 |
| Bellcore/Telcordia GR-326(reduced)   | CECC                                         |
| IEC60793-2-50 A1a, IEC60793-2-10 A1a | EIA/TIA 492AAAB.                             |
| RoHS 2002/95/EC                      | ITU-T G.651                                  |

## Test Parametrs:

| Measurament Parameter       | Pass/Fail limits |        | Measured Value |     | Result |
|-----------------------------|------------------|--------|----------------|-----|--------|
|                             | Min              | Max    |                |     |        |
| Radius of Curtvature        | 10,00            | 25,00  | 11,75          | mm  | PASS   |
| Fiber Height (Sperical Fit) | -50,0            | 50,0   | 18,6           | nm  | PASS   |
| Fiber Height (Planar Fit)   | -10,0            | 100,0  | 35,7           | nm  |        |
| Apex Offset                 | 0,00             | 50,00  | 32,50          | m   | PASS   |
| Bearing                     |                  | 219,50 |                | deg |        |
| Angle                       | 0,000            | 0,200  | 0,077          | deg |        |
| Tilt Offset                 |                  |        |                | deg |        |
| Actual angle                |                  |        |                | deg |        |
| Key Error                   |                  |        |                | deg |        |
| Fiber Roughness (Rq)        | 0                | 50     | 3              | nm  | PASS   |
| Fiber Roughness (Ra)        | 0                | 50     | 2              | nm  | PASS   |
| Ferrule Roughness (Rq)      | 0                | 50     | 3              | nm  | PASS   |
| Ferrule Roughness (Ra)      | 0                | 50     | 2              | nm  | PASS   |
| Diameter                    | 123,0            | 135,0  | 126,7          | m   | PASS   |



## Phisical information (ex. LC version):



## Ordering Information code:

### OM1 – 62,5/125

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| OC-FPG-120102-02 | ORCA - Pigtail SC MultiMode OM1 62,5/125 - lenght 2mt (cf. 6 pz.)             |
| OC-FPG-120202-02 | ORCA - Pigtail ST MultiMode OM1 62,5/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120302-02 | ORCA - Pigtail LC MultiMode OM1 62,5/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120502-02 | ORCA - Pigtail FC MultiMode OM1 62/125 Leght 2mt (cf. 6 pz.)                  |
| OC-FPG-120412-F2 | ORCA - Pigtail MT-RJ Female DPX MultiMode OM1 62,5/125 lenght 2mt (cf. 6 pz.) |
| OC-FPG-120412-M2 | ORCA - Pigtail MT-RJ Male DPX MultiMode OM1 62,5/125 lenght 2mt (cf. 6 pz.)   |

### OM2 – 50/125

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| OC-FPG-120101-02 | ORCA - Pigtail SC MultiMode OM2 50/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120201-02 | ORCA - Pigtail ST MultiMode OM2 50/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120301-02 | ORCA - Pigtail LC MultiMode OM2 50/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120501-02 | ORCA - Pigtail FC MultiMode OM2 50/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120411-F2 | ORCA - Pigtail MT-RJ Female DPX MultiMode OM2 50/125 lenght 2mt (cf. 6 pz.) |
| OC-FPG-120411-M2 | ORCA - Pigtail MT-RJ Male DPX MultiMode OM2 50/125 lenght 2mt (cf. 6 pz.)   |

### OM3 – 50/125

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| OC-FPG-120104-02 | ORCA - Pigtail SC MultiMode OM3 50/125 Leght 2mt (cf. 6 pz)                 |
| OC-FPG-120304-02 | ORCA - Pigtail LC MultiMode OM3 50/125 Leght 2mt (cf. 6 pz)                 |
| OC-FPG-120204-02 | ORCA - Pigtail ST MultiMode OM3 50/125 Leght 2mt (cf. 6 pz)                 |
| OC-FPG-120414-F2 | ORCA - Pigtail MT-RJ Female DPX MultiMode OM3 50/125 lenght 2mt (cf. 6 pz.) |
| OC-FPG-120414-M2 | ORCA - Pigtail MT-RJ Male DPX MultiMode OM3 50/125 lenght 2mt (cf. 6 pz.)   |

### OM4 – 50/125

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| OC-FPG-120105-02 | ORCA - Pigtail SC MultiMode OM4 50/125 Leght 2mt (cf. 6 pz) (*) |
| OC-FPG-120305-02 | ORCA - Pigtail LC MultiMode OM4 50/125 Leght 2mt (cf. 6 pz) (*) |

### OS2 – 9/125

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| OC-FPG-120103-02 | ORCA - Pigtail SC SingleMode OS2 9/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120203-02 | ORCA - Pigtail ST SingleMode OS2 9/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120303-02 | ORCA - Pigtail LC SingleMode OS2 9/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120503-02 | ORCA - Pigtail FC SingleMode OS2 9/125 Leght 2mt (cf. 6 pz.)                |
| OC-FPG-120413-F2 | ORCA - Pigtail MT-RJ Female DPX SingleMode OS2 9/125 lenght 2mt (cf. 6 pz.) |
| OC-FPG-120413-M2 | ORCA - Pigtail MT-RJ Male DPX SingleMode OS2 9/125 lenght 2mt (cf. 6 pz.)   |

#### ON REQUEST:

- OM4 Magenta colored;
- /APC version;
- 12 or 12+12 color set pack;
- customized fiber colors (MOQ needed)
- Strip length version:
  - o ~ 5 cm “tight buffer”
  - o ~ 10 cm “semi-tight buffer”
  - o ~ 50-100 cm “loose buffer” or “easy strip”

