

OCP Series Singlemode Fiber Optic Pigtail

OCP Pigtails are simplex or multi fiber cables pre-assembled with a connector at one end. They are typically used to connect patch panels to splice panels or splice trays.

FEATURES

- CommScope offers two ranges of cable assembly specifications according to IEC 61755-1
- Grade C as a standard quality for use in data centers and telecommunication networks
- Grade B as a superior quality if lower attenuation (Insertion) losses are required, for example to cover extra distance
- All connectors are built with full ceramic ferrules and tuned for best performance and compatibility according to IEC 61755-3-1 and -3-2
- CommScope’s standard single mode fiber is according to ITU-T G.657.A1 (MFD $9.2\text{ }\mu\text{m} \pm 0.4\text{ }\mu\text{m}$) and G.657.A2 (MFD $8.6\text{ }\mu\text{m} \pm 0.4\text{ }\mu\text{m}$) If other fiber types or MFD (Mode Field Diameter) are required, please contact your CommScope representative

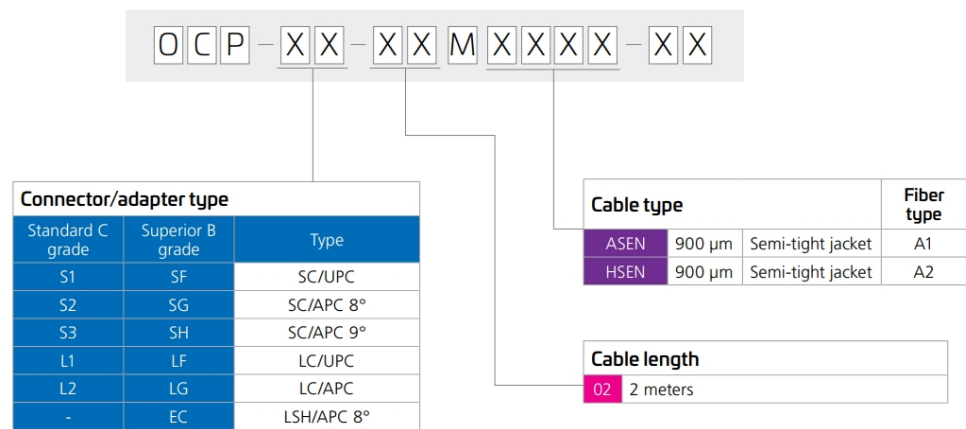
Product Classification

| | |
|-----------------------|---|
| Regional Availability | Europe Middle East/Africa |
| Portfolio | CommScope® |
| Product Type | Fiber pigtail, duplex Fiber pigtail, multi-fiber Fiber pigtail, simplex |
| Product Series | OCP |

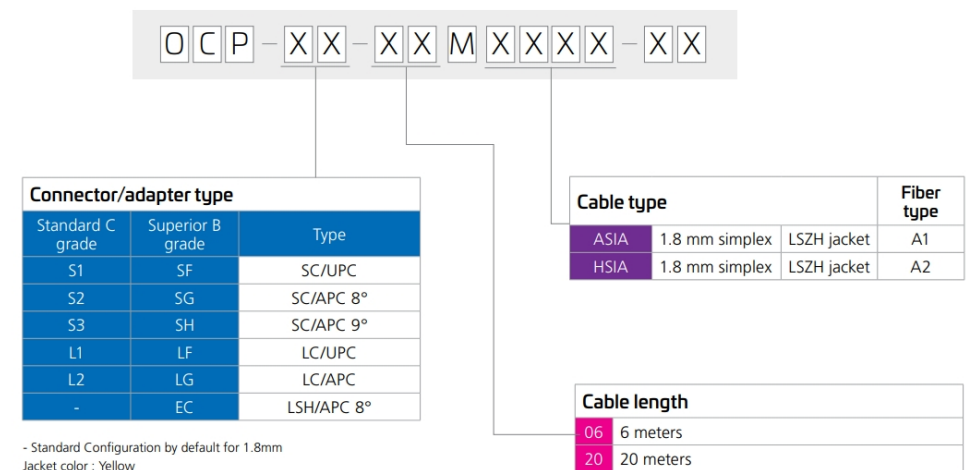
Dimensions

| | |
|---------------------------------|--------|
| Cable Assembly Length Range (m) | 1 – 30 |
|---------------------------------|--------|

Ordering Tree



- Standard Configuration by default 900μm buffer
buffer color : yellow
250 μm color : natural or milky white



- Standard Configuration by default for 1.8mm
Jacket color : Yellow
buffer color : milky white or transparent
250 μm color : natural or milky white

Optical Performance

| | Standard connectors | Superior connectors |
|-----------------------------------|---------------------|---------------------|
| Grade according to IEC 61755-1 | C | B |
| Attenuation (Insertion loss) | ≤ 0.50 dB | ≤ 0.25 dB |
| Random mated for 97% | ≤ 0.25 dB | ≤ 0.12 dB |
| Random mated average | ≤ 0.45 dB | ≤ 0.25 dB |
| Against reference ¹ | | |
| Return loss | > 50 dB | > 50 dB |
| Random mated for UPC ² | > 60 dB | > 60 dB |
| Random mated for APC ³ | | |
| Operational temperature range | -40°C ... +70°C | -40°C ... +70°C |

¹ The given values are for 1310 nm, 1550 nm and 1625 nm

² UPC = ultra polished physical contact

³ APC = angled polished physical contact

For information on other grade connectors, please contact your local CommScope sales representative.

Optical Specifications

| | |
|-------------------|----------------------|
| Fiber Mode | Singlemode |
| Fiber Type | G.657.A1, TeraSPEED® |

Environmental Specifications

| | |
|------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Environmental Space | Low Smoke Zero Halogen (LSZH) |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 1 |
|---------------------------|---|