

# Single-mode cable assemblies Pigtails and jumpers

Single-mode fiber optic cable assemblies are designed for use in telecommunications, CATV, datacommunications and wide area network applications.

Pigtails are single fiber cables preassembled with a connector at one end. They are typically used to terminate primary coated fiber to optical equipment. For special applications (such as FIST boxes) pigtails are available which are factory stripped up and have a pre-installed FOPT transportation tube for precise length adjustment to the single element tray.

Jumpers are single fiber cables preassembled with a connector at both ends. They are typically used to cross-connect patch panel to patch panel and to interconnect patch panels to optical equipment.

### **Features**

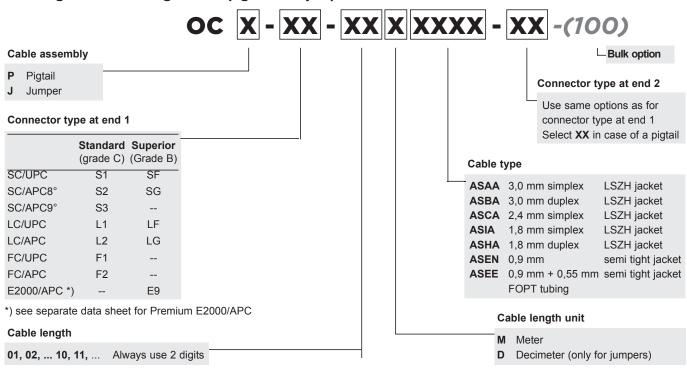
- TE Connectivity offers two ranges of cable assembly specifications according to IEC 61755-1:
  - Grade C as a standard quality for use in Data centers and FTTX application as a cost effective connection
  - Grade B as a superior quality for use in CATV, PONs and WDM Networks
- All connectors are built with full ceramic ferrules and tuned for best compatibility and performance
- TE's standard single mode fiber is according to ITU-T G.657.A1
- For all single-mode connectors used on the pigtails and jumpers the matching adapters are available and can be ordered separately



## **Optical performance**

		Ctandard connectors	Cupariar connectors
		Standard connectors	Superior connectors
Grade according to IEC 61755-1		С	В
Insertion loss	Random mated for 97% Random mated average Against reference 1)	≤ 0.50 dB ≤ 0.25 dB ≤ 0.45 dB	≤ 0.25 dB ≤ 0.12 dB ≤ 0.25 dB
Return loss	Random mated for UPC <sup>2)</sup> Random mated for APC <sup>3)</sup>	> 50 dB > 60 dB	> 50 dB > 60 dB
Operational tem	perature range	-40°C +70°C	-40°C +70°C

# Ordering information single-mode pigtails and jumpers



Notes: In case of a hybrid jumper, sort the connector type codes alphanumerical. In case of duplex cables with connector types SC or LC the connectors are combined by using a duplex clip. For bulk packaging of 100 pcs, add "-(100)" to the name string.

## Ordering examples

Cable assembly	Quantity	Ordering information	Packaging
Pigtail, SC/UPC, grade C, 0,9 mm, length 2 m	1 pc 50 pc 100 pc 200 pc	1x OCP-S1-02MASEN-XX 50x OCP-S1-02MASEN-XX 100x OCP-S1-02MASEN-XX-(100) 200x OCP-S1-02MASEN-XX-(100)	1 pigtail in 1 plastic bag 50 pigtails, each in 1 plastic bag 1 box with 100 pigtails 2 boxes with 100 pigtails each
Jumper, E2000/APC-SC/APC, grade B, 1,8 mm, length 2,5 m	1 pc	1x OCJ-E9-25DASIA-SG	1 jumper in 1 plastic bag

For more technical options and order quantity information, please consult he products ordering guides or your local sales representative.

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 <sup>&</sup>lt;sup>1)</sup> Checked at 1310, 1550 and 1625 nm
 <sup>2)</sup> UPC = ultra polished physical contact
 <sup>3)</sup> APC = angled polished physical contact