

# P | Cabling

## Data sheet

### OpDAT pigtail SC-PC, OM3, 12 colors

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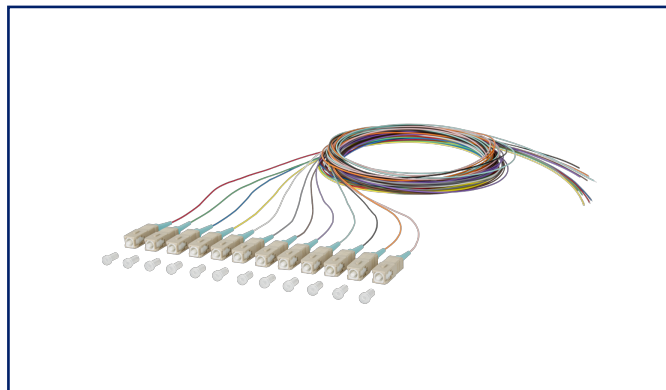
150M1CO0020E

EAN 4250184118169

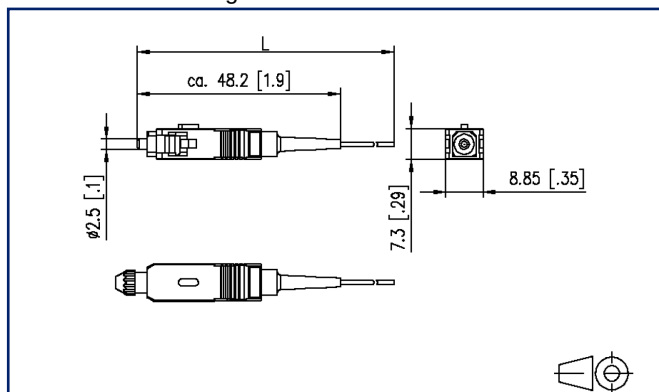
2023/06/01

Version: AJ

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- SC plug according to IEC 61754-4
- Multi mode fiber OM3, G50/125 µm, bend insensitive according to IEC 60793-2-10 type A1a.2
- Compact loose tube fiber with dia. 0.9 mm, length 2.0 m
- Color sequence in sets according to IEC 60304: red, green, blue, yellow, white, gray, brown, violet, turquoise, black, orange, pink. Secondary and primary coating same color
- Plug connector mounted on one side
- With test report, insertion loss and return loss tested at 100 %
- all available variants can be created with the cable configurator



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### Technical Data

| General Data                                  |                                     |
|-----------------------------------------------|-------------------------------------|
| Fields of application                         | office areas<br>data center         |
| Mechanical measurement according to MICE      | M1                                  |
| Ingress measurement according to MICE         | I1                                  |
| Climatic measurement according to MICE        | C1                                  |
| Electromagnetic measurement according to MICE | E3                                  |
| Design                                        | pigtail                             |
| Transmission technology                       | Fiber optic                         |
| Color                                         | beige                               |
| Dimensions                                    |                                     |
| Dimension (L x W x H)                         | 48.2 mm x 8.85 mm x 7.3 mm          |
| Dimension (L x W x H)                         | 1.898 in. x 0.348 in. x 0.287 in.   |
| Mode type of the fiber                        | Multimode                           |
| Fiber class                                   | OM3                                 |
| Fiber standard                                | IEC 60793-2-10/EN 60793-2-10 A1.a.2 |
| Cable Type                                    | pigtail(s)                          |
| Number of cables/ buffered fibers             | 12                                  |
| Number of fibres each cable/ wire             | 1                                   |
| Shape                                         | PC (Physical Contact)               |
| Fiber construction                            | 50/125 µm                           |
| Cable length (m)                              | 2 m                                 |
| Cable length (ft)                             | 6.56 ft                             |

| Connections/interfaces           |               |
|----------------------------------|---------------|
| Connector technology interface 1 | SC PC         |
| Connector technology interface 2 | free line end |
| Primary coating diameter         | 0.25 mm       |
| Primary coating diameter         | 0.01 in.      |
| Secondary coating diameter       | 0.9 mm        |
| Secondary coating diameter       | 0.035 in.     |
| Ferrule diameter                 | 2.5 mm        |
| Ferrule diameter                 | 0.098 in.     |



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### Technical Data

#### Optical characteristics

|                |             |
|----------------|-------------|
| Insertion loss | max. 0,4 dB |
| Return loss    | min. 35 dB  |

#### Mechanical data

|                                |           |
|--------------------------------|-----------|
| Insertion and withdrawal force | min. 5 N  |
| Minimum bending radius         | 15 mm     |
| Minimum bending radius         | 0.591 in. |

#### Materials and material properties

|              |           |
|--------------|-----------|
| Halogen free | yes       |
| RoHS         | compliant |

#### Environmental conditions

|                            |                |
|----------------------------|----------------|
| Temperature (min. - max.)  |                |
| Temperature - Storage °C   | -20 °C - 60 °C |
| Temperature - Storage °F   | -4 °F - 140 °F |
| Temperature - Operating °C | -20 °C - 60 °C |
| Temperature - Operating °F | -4 °F - 140 °F |

#### Standards/Regulations

|                                                                                                    |                            |
|----------------------------------------------------------------------------------------------------|----------------------------|
| Generic cabling systems                                                                            |                            |
| General requirements                                                                               | ISO/IEC 11801              |
| Fibre optic connector interfaces                                                                   | IEC 61754-4                |
| Optical fibers: Product specifications                                                             |                            |
| Sectional specification for category A1 multimode fibres                                           | ISO/IEC 60793-2-10 (A1a.2) |
| Optical fibers - Interconnecting devices and passive components - basic test and measuring methods |                            |
| Fibre optic interconnecting devices and passive components                                         | IEC 61300-3-6              |
| Standard colours for insulation for low-frequency cables & wires                                   | IEC 60304                  |
| ITU-T standard                                                                                     | G.651.1                    |



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## Technical Data

### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC000748 |
| ETIM 6.0 | EC000748 |
| ETIM 7.0 | EC000748 |
| ETIM 8.0 | EC000748 |
| ETIM 9.0 | EC000748 |

### Packing details

|                                 |                                    |
|---------------------------------|------------------------------------|
| Type of packaging               | 12 pc(s) / blister packaging       |
| Packaging unit - Weight (gram)  | 368 g                              |
| Packaging unit - Weight (pound) | 0.81 lb                            |
| Packaging dimension             | 300 mm x 200 mm x 20 mm            |
| Packaging dimension             | 11.811 in. x 7.874 in. x 0.787 in. |

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## Accessories

| P/N        | Designation                                |
|------------|--------------------------------------------|
| 15090401-E | OpDAT crimp splice protection (12 pieces)  |
| 15090401-I | OpDAT crimp splice protection (150 pieces) |
| 15090402-I | OpDAT shrink splice protection             |

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