# P | Cabling
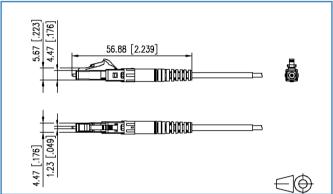
# Data sheet
## OpDAT FAST™ Hybrid connector kit LC APC OS2
## 10 pieces for cabels Ø 2.0 + 3.0 mm

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- Field-attachable fiber optic connector for single-mode technology

- with hybrid technology: refractive index gel plus opto-elastomer guarantee very good and constant optical values

- no polishing, no gluing during assembly on site

- simple, easy to learn, fast and cost-effective installation in less than two minutes

- Available with connector types LC and SC for singlemode (UPC and APC)

- plug kits for FO fibers with Ø 0.25 and Ø 0.9 mm

- plug kits for fibre optic cables with Ø 2.0 and Ø 3.0 mm

- the plug can be assembled up to three times

- every plug has a serial number, so that traceability is possible at any time

- Included in the scope of delivery depending on the variant:

- a maintenance-free separator (Cleaver). It provides an oblique cut so that high return loss values are achieved. The Cleaver can be used up to 200 times.

- a cable assembly kit for easy cable assembly

- a fiber guide for easy insertion of the fiber into the connector

- fields of application:

- for FTTH and FITH connections

- repairs in the field

- in areas which are difficult to access or limited in space

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## Product specification

- for direct mounting on components

- Versions for fibers: 10 pieces without tools / 20 or 100 pieces with Cleaver and fibre guide

- Variants for cables: 10 pieces without tools / 20 or 100 pieces with Cleaver, cable assembly set and fibre guide

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## OpDAT FAST™ Hybrid connector kit LC APC OS2
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## Technical Data

### General Data

| | |
|---|---|
| Fields of application | |
| | Structured building cabling, Consolidation points |
| | Office |
| | Fiber to the Desk, Data center |
| Design | plug, field assambly |
| Transmission technology | Fiber optic |
| Color | green |
| Dimensions | |
|    Dimension (L x W x H) | 57 mm x 4.47 mm x 4.47 mm |
|    Dimension (L x W x H) | 2.244 in. x 0.175 in. x 0.175 in. |
| Mode type of the fiber | Single mode |
| Shape | APC (Angled Physical Contact) |

### Connections/interfaces

| | |
|---|---|
| Connector technology interface 1 | mechanical splice, fibre cut diagonally |
| Connector technology interface 2 | LC |
| Single fibre diameter (min. - max.) | |
|    Single fibre diameter | 3 mm mm |
| Cable access/outlet | 180° |

### Electrical characteristics

| | |
|---|---|
| Insertion loss | 0.2 bis 0.5 dB dB |
| Return loss | min. 60 dB dB |

### Mechanical characteristics

| | |
|---|---|
| Connector type | simplex |
| Mounting method | snap-in function |

### Materials and material properties

| | |
|---|---|
| Material - Housing | Plastics |
| Material - Cable boot | elastomer, flame-retardant and halogen free |
| Material - Ferrule | Ceramic |
| Material - Dust protection | elastomer, flame-retardant and halogen free |
| RoHS | compliant |

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**METZ CONNECT** — We realize ideas

**Data sheet**
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## Technical Data

### Environmental conditions

| Temperature (min. - max.) | |
| --- | --- |
| Temperature - Storage Â°C | -25 °C - 70 °C |
| Temperature - Storage Â°F | -13 °F - 158 °F |
| Temperature - Operating °C | -25 °C - 70 °C |
| Temperature - Operating °F | -13 °F - 158 °F |

### The product meets the following standards

| | |
| --- | --- |
| Fibre optic connector interfaces | IEC 61754-20 / ANSI/TIA-604-10-A |
| Fibre optic connector interfaces | IEC 61754-20 |

### Classifications

| | |
| --- | --- |
| ETIM 7.0 | EC001122 |

### Packing details

| | |
| --- | --- |
| | 10 pc(s) |

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**METZ CONNECT**
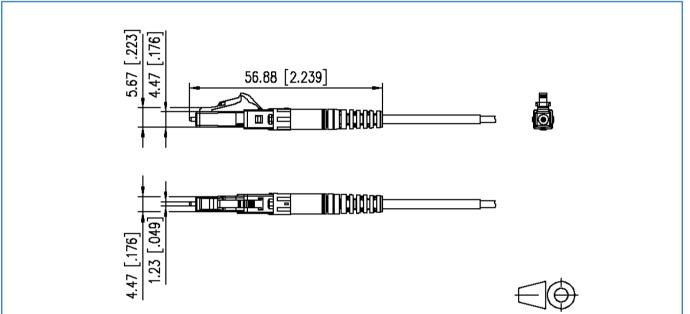We realize ideas

## Illustrations

Dimensional drawing