



## HITRONIC® PCF SIMPLEX Cable

Polymer Cladded Fibre as simplex fibre cable version for indoor or outdoor use, pur outer sheath; halogen-free

**Info**

- For direct connector assembly



### Benefits

- Transmission lengths up to 500 m
- Suitable for direct connector assembly
- High mechanical strength
- UV-resistant
- EMC protection

### Application range

- For data transmission in field bus systems, such as PROFIBUS, INTERBUS etc.
- Industrial environments

### Product features

- Possible transmission wavelengths: 650 nm and 850 nm
- Outer sheath flame-retardant and halogen-free

### Product Make-up

- Tight-buffered fibres
- Aramid yarns as strain relief
- PUR outer sheath
- Colour: black (RAL 9005)

### Technical data

- Classification ETIM 5/6**  
ETIM 5.0/6.0 Class-ID: EC000034  
ETIM 5.0/6.0 Class-Description: Fibre optic cable
- Dimensions**  
2.9mm
- Fibre type**  
PCF - K200/230  
PCF - Polymer Cladded Fibre
- Minimum bending radius**  
Static:  $\geq 15 \times$  outer diameter  
Dynamic:  $\geq 20 \times$  outer diameter
- Standard designation**  
A-V(ZN)11Y
- Optical fibre type**  
Core material: glass  
Cladding material: fluoropolymers
- Permissible tensile force**  
Fixed installation: 200 N
- Temperature range**  
Operation:  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$   
Installation:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$

| Article number                     | Article designation               | Fibre type  | Number of fibres | Outer diameter [mm] | Weight (kg/km) |
|------------------------------------|-----------------------------------|-------------|------------------|---------------------|----------------|
| <b>HITRONIC® PCF SIMPLEX Cable</b> |                                   |             |                  |                     |                |
| 28600701                           | HITRONIC® PCF SIMPLEX PUR Outdoor | 200/230 PCF | 1                | 2.9                 | 7.5            |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

The cables can also be supplied as pre-terminated fibre optic trunks.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

### Accessories

- PCF Assembly Sets refer to page 496
- PCF Connector HFBR refer to page 495
- PCF Connector F-SMA and ST(BFOC) refer to page 495
- PCF Cutting Tools refer to page 497