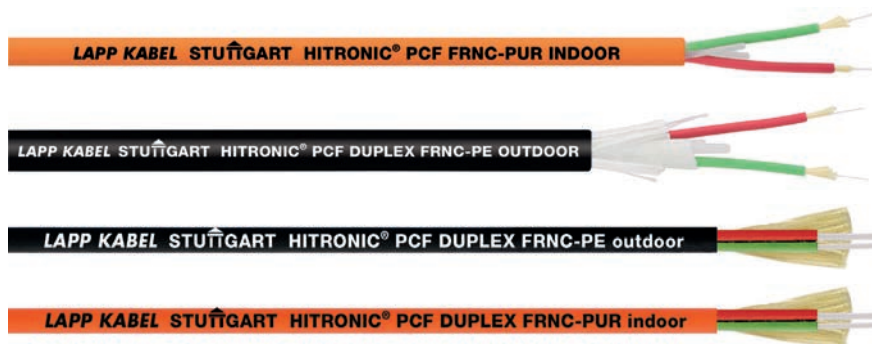




## HITRONIC® PCF DUPLEX Cable

Polymer Cladded Fibre as duplex fibre cable version for indoor or outdoor use



### Info

- For direct connector assembly

### Benefits

- Transmission lengths up to 500 m
- Suitable for direct connector assembly
- Good resistance to oil, petrol, acids and alkalis
- High mechanical strength
- 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
- Complies with requirements for all BUS systems
- Halogen-free outer sheath

### Product Make-up

- Colour-coded, tight-buffered PCF sub-cable with FRNC sheath (2.9mm)
- Aramid yarns as strain relief
- PUR outer sheath (indoor); PE outer sheath (outdoor)
- Colour: orange (indoor); black (outdoor)

### 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**  
 Buffered fibre: 0.5mm  
 Single cable: 2.9 mm  
 Cable: see table

**Core identification code**  
 red, green

**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**  
 PCF DUPLEX Indoor: J-V(ZN)H11Y 2K200/230  
 PCF DUPLEX Outdoor: A-VQ(ZN)HB2Y 2K200/230

**Optical values**  
 see data sheet

**Optical fibre type**  
 Core material: glass  
 Cladding material: fluoropolymers

**Permissible tensile force**  
 Fixed installation: 400 N (indoor); 500 N (outdoor)  
 Short-term: 1200 N (indoor); 1500 N (outdoor)

**Temperature range**  
 Operation: -20 °C to +70 °C  
 Installation: -10 °C to +50 °C

Article number	Article designation	Fibre type	Number of fibres	Outer diameter [mm]	Weight (kg/km)
<b>Indoor</b>					
28020702	HITRONIC® PCF DUPLEX FRNC-PUR Indoor	200/230 PCF	2	8	53
<b>Outdoor</b>					
28620702	HITRONIC® PCF DUPLEX FRNC-PE Outdoor	200/230 PCF	2	10.5	89

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.

### Similar products

- HITRONIC® PCF DUPLEX FD cables refer to page 493
- HITRONIC® PCF cables for PROFINET Applications refer to page 494

### 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 Connector SC-RJ refer to page 496
- STAR STRIP stripping tool refer to page 985