FL FOC PN-B-HCS-200/230 - FO cable

2313766

https://www.phoenixcontact.com/us/products/2313766

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



PROFINET PCF fiber cable, duplex 200 µm / 230 µm, for installation in stationary systems and machines, type B, PVC outer sheath, sold by the meter without plug

Your advantages

- Universal installation cable for installation in stationary systems and machines
- For indoors
- PVC outer sheath
- 2.2 mm single-core wires made from extremely hard-wearing polyvinyl chloride (PVC)
- PROFINET type B
- Ozone and UV resistant

Commercial data

Item number	2313766
Packing unit	1 m
Minimum order quantity	1 m
Note	Made to order (non-returnable)
Sales key	DN06
Product key	DNC232
GTIN	4046356573382
Weight per piece (including packing)	46.35 g
Weight per piece (excluding packing)	46.35 g
Customs tariff number	85447000
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Data cable by the meter

Electrical properties

Transmission medium	PCF fiber

Interfaces

Signal	Ethernet
	PROFINET
	PROFIBUS
	Modbus

Dimensions

External dimensions

External diameter min.	6.7 mm
External diameter max.	7.7 mm

Material specifications

Color (Outer sheath)	green (RAL 6021)
Color (Single-core wire)	black (RAL 9005)
	orange (RAL 2003)
Outer sheath, material	PVC

Cable/line

Cable length	Free input (1.0 ... 2000 m)
Cable weight	45 kg/km
Cable abbreviation	AT-V(ZN)YY 2K200/230 HCS
External cable diameter	7.2 mm
Outer sheath, material	PVC
External sheath, strain relief elements	Non-metallic, aramide fiber
Single wire, number of litz wires	2
Single wire, material	PVC
Individual wire diameter	2.2 mm ±0.1 mm
Bending radius, single element	30 mm (Short-term)
	30 mm (Short-term)
Bending radius, entire cable	70 mm (Short-term)
	70 mm (Short-term)

Bending radius	30 mm (Short-term)
	50 mm (permanent)
	70 mm (Short-term)
	105 mm (permanent)
Tensile strength short-term/long-term	800 N / 100 N
Lateral pressure short term	500 N/cm
Lateral pressure, long-term	300 N/cm
660 nm	10 dB/km
850 nm	8 dB/km
Resistance to oil	very good oil and chemical resistance
Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C

FO cable

Fiber	PCF, 200/230 µm

Mechanical properties

Tensile strength short-term/long-term	800 N / 100 N

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C
Ambient temperature (storage/transport)	-40 °C ... 90 °C
Ambient temperature (installation)	-5 °C ... 50 °C
Altitude	5000 m
Resistance to oil	very good oil and chemical resistance

Standards and regulations

Behavior in fire	Flame-resistant as per IEEE and IEC 60 332-3 test type C
Resistance to oil	very good oil and chemical resistance

Mounting

cable layer type	Indoors

Classifications

ECLASS

ECLASS-13.0	27061803
ECLASS-15.0	27061803

ETIM

ETIM 10.0	EC000034

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	0.214 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com