

# Protective hose - WP-PA HF-HB 13,0 BK



3240839

<https://www.phoenixcontact.com/pc/products/3240839>

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Protective hose, material: PA 6, filament: without, UV-resistant: yes, flexible, degree of protection: IP68, color: black, inflammability class in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

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## Commercial Data

Item number	3240839
Packing unit	50 m
Minimum order quantity	50 m
Note	Made to Order (non-returnable)
Product Key	BF7DSA
Catalog Page	Page 585 (C-3-2019)
GTIN	4046356736558
Weight per Piece (including packing)	34.99 g
Weight per Piece (excluding packing)	1,246 g
Customs tariff number	39173200
Country of origin	DE

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## Technical Data

### Notes

Notes on operation	Protective hose length is measured stretched out; length tolerance $\pm 5\%$
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### Product properties

Product type	Corrugated pipe
Tensile strength GRP	100 N

### Dimensions

#### External dimensions

Outside diameter	13 mm
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#### Internal dimensions

Internal diameter	10 mm
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### Material specifications

Color	black
Material	PA 6
Flammability rating according to UL 94	HB
Components	free from silicone, halogen, and cadmium

### Connector

Material	PA 6
Material	PA 6

### Cable / line

#### Mechanical properties

Bending radius, dynamic	45 mm
Bending radius, static	20 mm
Tensile strength	100 N

#### Bending cycles

Bending radius, dynamic	45 mm
Bending radius, static	20 mm

#### Ambient conditions

Halogen-free	yes
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP68
	IP69K

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Ambient temperature (operation)	-25 °C ... 120 °C
Resistance to UV radiation	yes
Short-term temperature	120 °C

## Standards and regulations

Resistance to UV radiation	yes
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## Approvals

 <b>UL Recognized</b>				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
External reference			-	-

 <b>VDE Zeichengenehmigung</b>				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
External reference			-	-

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## Classifications

### ECLASS

ECLASS-9.0	27430304
ECLASS-10.0.1	27430304
ECLASS-11.0	27430305

### ETIM

ETIM 8.0	EC001175
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### UNSPSC

UNSPSC 21.0	40141700
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## Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Accessories

### Transition sleeve from hose to cable

Transition sleeve from hose to cable - WP-EC TPE HF 13,0 BK - 3240975

<https://www.phoenixcontact.com/pc/products/3240975>

End sleeves, transition sleeves, from hose to cable



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### Screw connection

Screw connection - WP-G HF IP66 PG9 BK - 3240889

<https://www.phoenixcontact.com/pc/products/3240889>

Cable gland, Pg thread, IP66 protection, straight





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## Screw connection

Screw connection - WP-G HF IP66 M12 BK - 3240896

<https://www.phoenixcontact.com/pc/products/3240896>



Cable gland, metric thread, IP66 protection, straight

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## Screw connection

Screw connection - WP-G HF IP69K PG9 BK - 3240875

<https://www.phoenixcontact.com/pc/products/3240875>



Cable gland, Pg thread, IP68/69k protection, straight

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## Screw connection

Screw connection - WP-G HF IP69K M12 BK - 3240882

<https://www.phoenixcontact.com/pc/products/3240882>



Cable gland, metric thread, IP68/69k protection, straight

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## Screw connection

Screw connection - WP-GA HF IP66 PG9 BK - 3240917

<https://www.phoenixcontact.com/pc/products/3240917>



Cable gland, Pg thread, IP66 protection, angled

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## Screw connection

Screw connection - WP-GA HF IP66 M12 BK - 3240924

<https://www.phoenixcontact.com/pc/products/3240924>

Cable gland, metric thread, IP66 protection, angled



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## Screw connection

Screw connection - WP-GA HF IP69K PG9 BK - 3240903

<https://www.phoenixcontact.com/pc/products/3240903>

Cable gland, Pg thread, IP68/69k protection, angled



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## Screw connection

Screw connection - WP-GA HF IP69K M12 BK - 3240910

<https://www.phoenixcontact.com/pc/products/3240910>

Cable gland, metric thread, IP68/69k protection, angled



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## Screw connection

Screw connection - WP-GR HF IP66 PG9 BK - 3240945

<https://www.phoenixcontact.com/pc/products/3240945>

Cable gland, Pg thread, IP66 protection, with strain relief



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## Screw connection

Screw connection - WP-GR HF IP69K PG9 BK - 3240931

<https://www.phoenixcontact.com/pc/products/3240931>



Cable gland, Pg thread, IP68/69k protection, with strain relief

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## Screw connection

Screw connection - WP-GA HF IP66 M16 BK - 3240925

<https://www.phoenixcontact.com/pc/products/3240925>



Cable gland, metric thread, IP66 protection, angled

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## Screw connection

Screw connection - WP-GR HF IP66 M16 BK - 3240953

<https://www.phoenixcontact.com/pc/products/3240953>



Cable gland, metric thread, IP66 protection, with strain relief

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## Screw connection

Screw connection - WP-GR HF IP69K M16 BK - 3240939

<https://www.phoenixcontact.com/pc/products/3240939>



Cable gland, metric thread, IP68/69k protection, with strain relief

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## Hose clamp

Hose clamp - WP-BASE HF 13 - 3240966

<https://www.phoenixcontact.com/pc/products/3240966>

Hose clamp, material: Steel, galvanized, color: black/silver



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## Hose holder with cover

Hose holder with cover - WP-BASE C PA HF 13,0 BK - 3240959

<https://www.phoenixcontact.com/pc/products/3240959>

Hose holder with cover



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## Cable protection end sleeve

Cable protection end sleeve - WP-SC PA HF 13,0 BK - 3240982

<https://www.phoenixcontact.com/pc/products/3240982>

End sleeves as cable protection



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PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

[info@phoenixcontact.com](mailto:info@phoenixcontact.com)