

ARC & ENERGY

## YOU HAVE ALWAYS BEEN PROUD OF NOT FOLLOWING THE HERD.

You have your own views and ideas and want people to see that.

Our Arc & Energy range offers you plenty of scope to set your own individual accents.

Simply choose from a wide range of colours, comfortable materials and top designs to suit your taste. With the good feeling that you are optimally protected from the hazards of your profession, such as arc flashes or sudden ignition.

Mind you, at the forefront of the trend – and not behind it.





Model: Julia, Quality Assurance  
Collection: HB-ArcFlash Pro

Model: Paul, Marketing  
Collection: HB-ArcSelect® Pro

The proven multifunctional blended fabric covers a wide range of standards and convinces with its pleasant wearing comfort.

The versatile products can also be designed according to your own ideas:  
Simply choose your desired combination from 6 different colours.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 1	EN ISO 11612 A1+A2/B1/C1/ E2/FT	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN ISO 15797	REGULAR SIZES, IN STOCK
1   2   3   4		3026	dark blue/ medium grey/red							46-58, 94-110 More sizes available see page 248

**FIELDS OF APPLICATION:** Plant engineering and construction, energy suppliers, electric industry and installation, public services, electricians



## JACKET 4kA

Arc flash class 1

Part number: **01128 10134 020 3026**

Garment weight: approx. 1,240 g

Three-coloured • stand-up collar • front with zip fastener with attached closure band and covered snap fasteners • 2 attached breast pockets with flap and covered snap fasteners • 1 inner pocket • side pockets with zip and with flap and covered snap fasteners • snap fasteners for adjusting sleeve width • leasing label • FR standard pictograms on the front.

## TROUSERS 4kA

Arc flash class 1

Part number: **01128 20081 050 3026**

Garment weight: approx. 1,060 g

Three-coloured • waistband elasticated at the side • waistband fastening with covered patented buttons on both sides • front zip • 2 wingpockets • 1 back pocket with flap and covered snap fasteners • 1 thigh pocket with 1 interior mobile phone/pen pocket and flap with covered snap fasteners.



### 1 collection – more than 1,000 possibilities

The product images show one of many versions. Find detailed information in this catalogue (page 240) and at [www.hb-ready-to-wear.com](http://www.hb-ready-to-wear.com)

### These colours are available:



Also reflective stripes available – and certification acc. to EN 17353 high-visibility protection  included!



The equipment with different pockets and reflective stripes is freely selectable. With HB-SecureAllround® and our **READY TO WEAR** system, you can configure your PPE completely individually. And all delivered within 21\* days.

Closure band  
with snap  
fasteners  
covered on  
both sides



Elasticated  
section  
for kidney  
protection

2, 3 and 4  
Thigh pocket  
with 1 interior  
mobile phone/  
pen pocket

#### COVERALL 4KA

Arc flash class 1

Part number: **01128 30014 050 3026**

Garment weight: approx. 1,590 g

Three-coloured • turndown collar • front with snap fastening covered on both sides • 2 patched breast pockets with flap and covered snap fasteners • 1 inside breast pocket with hook&loop fastening • 2 side pockets with flaps • sleeve width adjustable with snap fasteners • neck label • 1 back pocket • 1 thigh pocket with 1 interior mobile phone/pen pocket – each with flap and covered snap fasteners • FR standard pictograms on the arms.

#### BIB AND BRACE TROUSERS 4KA

Arc flash class 1

Part number: **01128 50061 050 3026**

Garment weight: approx. 1,340 g

Three-coloured • stretch braces • front zip fastener • interior bib pocket with flap • 2 wing pockets • 2 side accesses with button fastening • 1 back pocket, 1 thigh pocket with 1 interior mobile phone/pen pocket – each with flap and covered snap fasteners • elasticated kidney protection.

\* Outside Germany, delivery will take a few days longer. We accept no liability for delivery delays due to force majeure beyond the control of the seller.

**MATERIAL:** 75 % COTTON, 24 % POLYESTER, 1 % CARBON // FC-Equipment: fluorocarbon finish

**FABRIC WEIGHT:** approx. 350 g/m<sup>2</sup>

**ATPV VALUE:** 17.3 cal/cm<sup>2</sup> . 724.3 kJ/m<sup>2</sup> . **HAF VALUE:** 84.1%

**HABETEX®**

# HB-ArcSelect® Pro

Our new HB-ArcSelect® Pro collection is designed to meet the special requirements of electric arc protection and can be used in a wide range of activities. The high cotton content and soft feel of the material make it very comfortable to wear, comparable to leisurewear.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN ISO 11611	EN 1149-5	EN 17353	PRO	REGULAR SIZES, IN STOCK
1		<b>2041</b> <b>2081</b> <b>2382</b>	navy/royal anthracite/red anthracite/medium grey	IEC 61482-2 1-ply: APC 1 2-ply: APC 2* *Front part and sleeves/ front trousers	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 17353 Type B2		46-58, 94-110 More sizes available see page 248
2   , 3		<b>45</b> <b>58</b>	navy anthracite							

**FIELDS OF APPLICATION:** Electricians and electric industries, public services, plant engineering, line construction, gas and water networks, metal industry, switch gear construction



## BLOUSON 4kA

Arc flash class 1

Part number: **01228 10000 017 + COLOUR NO.**

Garment weight: approx. 950 g

## BLOUSON 7kA/4kA

Arc flash class 2

Part number: **01228 10000 018 + COLOUR NO.**

Garment weight: approx. 1,100 g

Two-coloured • stand-up collar • covered front zip with covered snap fastener • 2 attached breast pockets with flaps and covered snap fasteners • side pockets with flaps and covered snap fastener • 1 inner pocket with hook & loop fastener • sleeve width adjustable via snap fasteners •leasing neck label • embroidered FR standard pictograms on the front • reflective elements suitable for industrial laundry on front, back and sleeves • no high-visibility protective clothing acc. to EN ISO 20471.





Standard pictograms as flame-retardant direct embroidery



Industrially washable reflective stripes, certified to EN 17353 B2, provide improved visibility



#### TROUSERS 4kA

Arc flash class 1

Part number: 01228 20000 015 + COLOUR NO.

Garment weight: approx. 760g

#### TROUSERS 7kA/4kA

Arc flash class 2

Part number: 01228 20000 016 + COLOUR NO.

Garment weight: approx. 870g

Single-coloured • waistband with button and zip-fly • 2 slant pockets • 1 hip pocket with flap and covered snap fastener • 1 ruler pocket on the right with flap and snap fastener • 1 bellow pocket on the right with flap and snap fastener • knee pockets with hook & loop fastener • reflective elements • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.

**MATERIAL:** 87 % COTTON, 12 % POLYAMIDE, 1% CARBON

**FABRIC WEIGHT:** approx. 340 g/m<sup>2</sup> (2-ply: + approx. 280 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: ATPV VALUE:** 37.0 cal/cm<sup>2</sup> • **ELIM:** 18.0 cal/cm<sup>2</sup>

# HB-ArcSelect® Pro

The extensive protective performance, the care with industrial laundry and the improved visibility which has been added to the standard profile meet the highest demands on PPE and represent modern multifunctional protective clothing. The contemporary look and high-quality manufacture round off the perfect profile of this multi-risk collection.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN ISO 11611	EN 1149-5	EN 17353	PRO	REGULAR SIZES, IN STOCK
1		2041	navy/royal	IEC 61482-2 1-ply: APC 1						46-58, 94-110
		2081	anthracite/red	2-ply: APC 2*	EN ISO 11612 A1+A2/81/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 17353 Type B2		More sizes available see page 248
2  , 3		2382	anthracite/medium grey	* Front part and sleeves/ front trousers					EN ISO 15797	
		45	navy							
		58	anthracite							

**FIELDS OF APPLICATION:** Electricians and electric industries, public services, plant engineering, line construction, gas and water networks, metal industry, switch gear construction



2 and 3 | Front trousers available as 1-ply  
or 2-ply version

**Electric Arc Flash protection 4kA or  
7kA/4 kA**



## BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: **01228 50100 013 + COLOUR NO.**

Garment weight: approx. 960g

## BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01228 50100 014 + COLOUR NO.**

Garment weight: approx. 1,050g

Single-coloured • stretch straps with fix-lock clip • front with zip-fly • bib with outer pocket with flap and covered snap fastener • 2 slant pockets • 1 hip pocket with flap and covered snap fastener • 1 ruler pocket on the right with flap and snap fastener • 1 bellow pocket on the right with flap and snap fastener • knee pockets with hook&loop fastener • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.



## POSSIBLE COMBINATIONS – IN 2 PROTECTION CLASSES



High performance combined with soft material: HB-ArcSelect® Pro offers reliable protection and a comfortable fit throughout the working day. Improved visibility according to EN 17353 is also provided. The repair-friendly design of the collection supports the concept of sustainability.

**MATERIAL:** 87 % COTTON, 12 % POLYAMIDE, 1 % CARBON

**FABRIC WEIGHT:** approx. 340 g/m<sup>2</sup> (2-ply: + approx. 280 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: ATPV VALUE:** 37.0 cal/cm<sup>2</sup> · **ELIM:** 18.0 cal/cm<sup>2</sup>

# HB-ArcSelect® Pro

Our HB-ArcSelect® Pro shirt and the completely double-layered coat made of the popular cotton-polyamide blend increase safety at workplaces exposed to arc hazards as an additional layer of clothing. This makes them the perfect addition to many heat, flame and arc flash protection collections. The jacket also covers large areas of the body and provides the best possible 7kA all-round protection.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC	EN ISO	EN ISO	EN ISO	PRO	REGULAR SIZES, IN STOCK
1	blue	41	royal	IEC 61482-2 APC 1	EN ISO 11612 A1+A2/B1/C1/E1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN ISO 15797	37/38 – 47/48 More sizes available see page 248
	dark blue	45	navy						
	medium grey	52	medium grey						
	orange	22	orange						
2	dark blue	45	navy	IEC 61482-2 APC 2	EN ISO 11612 A1+A2/B1/C1/F1				S-2XL More sizes available see page 248

**FIELDS OF APPLICATION:** Electricians and electric industries, public services, plant engineering, line construction, gas and water networks, metal industry, switch gear construction



## SHIRT 4KA

Arc flash class 1

Part number: **01227 60026 001 + COLOUR NO.**

Garment weight: approx. 560g

Single-coloured • Comfort Fit • regular turn down collar • front closure with snap fasteners covered on both sides • 1 attached pocket with flap and covered snap fasteners • ergonomic sleeves with protective sleeve vent and adjustable snap fasteners • FR leasing label • standard pictograms as flame retardant direct embroidery on the right cuff.



2 |



7kA all-round protection:  
Material is completely 2-layer



Moving pleat on the back

#### MEN'S COAT 7kA

Arc flash class 2

Part number: 01228 40030 006 45

Garment weight: approx. 1,650 g

Single-coloured • completely 2-layered • high band collar • front with covered 2-way zipper plus hook&loop fastener • 2 vertical side pockets with covered zipper • moving pleat for easy walking on the back • sleeve hem with adjustable hook&loop fastener • FR leasing label • standard pictograms on the left sleeve.

**MATERIAL:** 87% COTTON, 12% POLYAMIDE, 1% CARBON

**1 | ATPV VALUE:** 12.3 cal/cm<sup>2</sup> . **HAF VALUE:** 82.3 % . **FABRIC WEIGHT:** approx. 280 g/m<sup>2</sup> .

**2 | ATPV VALUE:** 37.0 cal/cm<sup>2</sup> . **ELIM:** 18.0 cal/cm<sup>2</sup> . **FABRIC WEIGHT:** approx. 340 g/m<sup>2</sup> + approx. 280 g/m<sup>2</sup>

Our high-end electric arc protection HB-4arc® is suitable for extreme load thanks to its particular high ATPV. It meets the requirements of IEC 61482-2 class 2 (7kA/4kA) and additionally offers heat, flame and welder's protection as well as antistatic properties. The material is partly doubled, very stable and tear-resistant. Wearing HB-4arc® provides you with much comfort and safety.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 2*	EN ISO 11612 A1+A2/B1/C1/E3/F1	EN ISO 11611 Class 2 A1+A2	EN 1149-5	EN ISO 15797	REGULAR SIZES, IN STOCK
1		2205	navy/medium grey		IEC 61482-2 APC 2* *From part and sleeves/ front trousers		EN ISO 11612 A1+A2/B1/C1/E3/F1		EN ISO 11611 Class 2 A1+A2
2, 3		458	navy		EN 1149-5		EN ISO 15797		46-58, 94-110 More sizes available see page 248

**FIELDS OF APPLICATION:** Electrical installation, public services, energy suppliers, plant construction, electricians

**1, 2 and 3**  
Ergonomic cut for more freedom of movement



#### BLOUSON 7kA/4kA

Arc flash class 2

Part number: **01237 10125 002 2205**

Garment weight: approx. 1,291g

Two-coloured • front parts and sleeves 2-ply • high-band collar with covered snap fastener • stitching in contrast colour offwhite • 2 side pockets with zip • 2 front pockets (as mobile phone pocket on the right) with flap and covered snap fastener • waistband and adjustable sleeve hems with covered snap fasteners • FR piping suitable for industrial laundry • leasing label • standard pictograms on the front as FR direct embroidery.



**2 and 3 |**  
Ruler pocket with  
additional pen pocket



**2 and 3 |**  
Cargo pocket with  
additional mobile  
phone pocket inside



#### **TROUSERS 7KA/4KA**

Arc flash class 2

Part number: **01237 20060 037 + COLOUR NO.**

Garment weight: approx. 1,152 g

Single-coloured • front trousers 2-ply • stitching in contrast colour off-white • added waistband with covered buttoning • zip fly • 2 slant pockets • 1 hip pocket on the right, 1 ruler pocket on the right leg (+ pen pocket) and 1 cargo pocket on the left (+mobile phone pocket) – each with flap and covered snap fastener • shaped knees • knee pockets with adjustable covered hook&loop fastener.

#### **BIB AND BRACE TROUSERS 7KA/4KA**

Arc flash class 2

Part number: **01237 50041 068 + COLOUR NO.**

Garment weight: approx. 1,361 g

Single-coloured • front trousers 2-ply • contrast stitching in off-White • fix lock stretch braces • bib with outer pocket and flap • zip-fly • two-side entries with elastic knitted wedge • 2 slant pockets • 1 hip pocket on the right, 1 ruler pocket on the right leg (+ pen pocket) and 1 cargo pocket on left leg – each with flap and covered snap fastener • shaped knees • knee pockets with adjustable covered hook&loop fastener.

**MATERIAL:** 89 % COTTON, 10 % POLYAMIDE, 1 % CARBON

**FABRIC WEIGHT:** approx. 390 g/m<sup>2</sup> + approx. 250 g/m<sup>2</sup>

**ATPV VALUE:** 20.0 cal/cm<sup>2</sup> · 836.8 kJ/m<sup>2</sup> · **ELIM:** 16.0 cal/cm<sup>2</sup>

**HB-4arc®**

HB-MODarc® is high-quality arc flash PPE that can be perfectly combined and adapted to different purposes. The soft and lightweight fabric offers a good fit with plenty of freedom of movement and, thanks to the cotton, a high level of wearer comfort. The 2-layer models are double-worked at crucial points.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN ISO 11611	EN 1149-5	EN 13034	EN ISO 15797	REGULAR SIZES, IN STOCK
1		2251	grey/black	1-ply: AFC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN ISO 15797	46-58, 94-110
2,3		2251	grey/black	2-ply: AFC 2*	*Front part and sleeves/ front trousers					More sizes available see page 248
		2188	black/grey							

**FIELDS OF APPLICATION:** Public services, energy suppliers, plant construction, electrical installation

**Blouson also available in black/grey – in just 21 days delivered.**

**4kA: 01072 10107 034 2188**

**7kA/4kA: 01072 10107 035 2188**



Formed elbows for more movement freedom



#### BLOUSON 4kA

Arc flash class 1

Part number: **01072 10107 034 2251**

Garment weight: approx. 835 g

#### BLOUSON 7kA/4kA

Arc flash class 2

Part number: **01072 10107 035 2251**

Garment weight: approx. 910 g

Two-coloured • raw white contrast stitching • stand-up collar with covered snap fastener • covered zip • 2 front pockets (one as an attached pocket) with flap, covered snap fastener and tab to open • 1 inner pocket left with snap fastener • 2 side pockets with zip • sleeve hem adjustable with snap fastener covered on inside • attached waistband with covered snap fastener • leasing label • standard pictograms on front as FR direct stitching.



## TROUSERS 4kA

Arc flash class 1

Part number: **01072 20074 002 + COLOUR NO.**

Garment weight: approx. 730 g

## TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01072 20074 003 + COLOUR NO.**

Garment weight: approx. 845 g

Two-coloured • raw white contrast stitching • waistband with covered button closure • zip fly • 2 slant pockets • 1 hip pocket on the right and 1 bellows pocket on the left with additional, attached pocket - each with flap, covered snap fastener and tab to open • 1 ruler pocket on the right (+ pen pocket) • 2 knee pockets outside with hook&loop fastener.



## BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: **01072 50055 002 + COLOUR NO.**

Garment weight: approx. 855 g

## BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01072 50055 003 + COLOUR NO.**

Garment weight: approx. 970 g

Two-coloured • raw white contrast stitching • stretch braces with fixlock buckle • bib with outer pocket with flap and covered snap fastener • straight kidney protection • 2 side accesses with stretch gusset • zip fly • 2 slant pockets • hip pocket on the right and bellows pocket on the left with additional, attached pocket, each with flap and covered snap fastener • ruler pocket on the right (+ pen pocket) • knee pockets.



**MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> • 837.3 kJ/m<sup>2</sup> • **HAF VALUE:** 88.9 %

**HABETEX**

Our popular HB-MODarc® collection with reflective stripes is now certified acc. to EN 17353 for improved visibility. Again, the 2-layer models of this high-performance and modern arc-fault protective clothing are double-worked at the front, sleeves and front trousers and thus protect against electric arcs up to 7kA.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN ISO 11611	EN 1149-5	EN 13034	EN 17353	PRO	REGULAR SIZES, IN STOCK
1		2251	grey/black	1-ply: APC 1					Type B3		46-58, 94-110
		2041	navy/royal	2-ply: APC 2*	A1+A2/B1/ C1/F1	Class 1 A1+A2	EN 1149-5	EN 13034	EN 17353		EN ISO 15797 Washing temperature 60 °C
2,3		2251	grey/black	*Front part and sleeves/ front trousers					EN 17353 Type B2		More sizes available see page 248
		2188	black/grey								
		45	navy								

**FIELDS OF APPLICATION:** Public services, energy suppliers, plant construction, electrical installation

**Blouson also available in black/grey – in just 21 days delivered.**  
**4kA: 01072 10107 050 2188**  
**7kA/4kA: 01072 10107 051 2188**

#### Higher visibility:

Patched flame-retardant reflective stripes suited for industrial laundry, certified acc. to EN 17353

Front part and sleeve available as 1-ply or 2-ply version

**Electric Arc Flash protection 4kA or 7kA/4kA**



Completely manufactured  
in roof-tile design

Reflective stripes, suited  
for industrial laundry

Band collar with  
covered snap fastener



#### **BLOUSON 4kA REFLECTIVE STRIPES**

Arc flash class 1

Part number: **01072 10107 050 + COLOUR NO.**

Garment weight: approx. 895 g

#### **BLOUSON 7kA/4kA REFLECTIVE STRIPES**

Arc flash class 2

Part number: **01072 10107 051 + COLOUR NO.**

Garment weight: approx. 970 g

Two-coloured • raw white contrast stitching • stand-up collar with covered snap fastener • covered zip • 2 front pockets (1 as an attached pocket) with flap, covered snap fastener and tab to open • 1 inner pocket left with snap fastener • 2 side pockets with zip • sleeve hem adjustable with snap fastener covered on inside • attached waistband with covered snap fastener • leasing label • standard pictograms on front as FR direct stitching • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.



**2 and 3** | Front trousers available as 1-ply or 2-ply version  
**Electric Arc Flash protection**  
**4kA or 7kA/4kA**



**2 and 3** | Bellows pocket with additional attached pocket

**2 and 3** | Reflective stripes, suited for industrial laundry

#### TROUSERS 4kA REFLECTIVE STRIPES

Arc flash class 1

Part number: **01072 20074 037 + COLOUR NO.**  
**01072 20074 039 45**

Garment weight: approx. 765g

#### TROUSERS 7kA/4kA REFLECTIVE STRIPES

Arc flash class 2

Part number: **01072 20074 038 + COLOUR NO.**  
**01072 20074 040 45**

Garment weight: approx. 880g

Two-coloured • raw white contrast stitching • waistband with covered button closure • zip fly • 2 slant pockets • 1 hip pocket on the right and 1 bellows pocket on the left with additional attached pocket – each with flap, covered snap fastener and tab to open • 1 ruler pocket on the right (+ pen pocket) • knee pockets with hook&loop fastener • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.

#### BIB AND BRACE TROUSERS 4kA REFLECTIVE STRIPES

Arc flash class 1

Part number: **01072 50055 031 + COLOUR NO.**  
**01072 50055 033 45**

Garment weight: approx. 890g

#### BIB AND BRACE TROUSERS 7kA/4kA REFLECTIVE STRIPES

Arc flash class 2

Part number: **01072 50055 032 + COLOUR NO.**  
**01072 50055 034 45**

Garment weight: approx. 1,005g

Two-coloured • raw white contrast stitching • stretch braces with fixlock buckle • bib with outer pocket with flap and covered snap fastener • straight kidney protection • 2 side accesses with stretch gusset • zip fly • 2 slant pockets • hip pocket on the right and bellows pocket on the left with additional attached pocket – each with flap and covered snap fastener • ruler pocket on the right (+ pen pocket) • knee pockets • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.

**MATERIAL:** 55 % MODARCRYLIC, 43 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> . 837.3 kJ/m<sup>2</sup> . **HAF VALUE:** 88.9 %

**HABETEX**

HB-MODarc® is high-quality arc flash PPE for women that can be easily combined and adapted to different applications. The soft and lightweight fabric offers a good fit with plenty of freedom of movement and, thanks to the cotton, is very comfortable to wear. The 2-layer models are double-layered in key areas. Available from 1 item via our high-speed delivery service 21 TO WEAR®.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 1-ply: APC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN 17353 Type B3	EN 17353 Type B2	PRO HIGH SPEED	REGULAR SIZES, AVAILABLE
1	2251 2188	2251 2188	grey/black black/grey									
2	2251 2188	2251 2188	grey/black black/grey	IEC 61482-2 1-ply: APC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN 17353 Type B3	EN 17353 Type B2		EN ISO 15797 Washing temperature 60°C
3	2041 2251 2188	2041 2251 2188	navy/royal grey/black black/grey	IEC 61482-2 2-ply: APC 2* * Front part and sleeves/ front trousers	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN 17353 Type B3	EN 17353 Type B2		36–46, 18–23, 72–92 More sizes available see page 248
4	2188	45	black/grey navy									

**FIELDS OF APPLICATION:** Public services, energy suppliers, plant construction, electrical installation



The products on this page can be ordered  
from one piece and are available via our  
highspeed delivery service 21 TO WEAR.



## LADIES BLOUSON 4kA

Arc flash class 1

Part number: **01072 10206 002 + COLOUR NO.**

Garment weight: approx. 770g

Two-coloured • raw white contrast stitching • stand-up collar with covered snap fastener • covered zip • 2 front pockets (one as an attached pocket) with flap, covered snap fastener and tab to open • 1 inner pocket left with snap fastener • 2 side pockets with zip • sleeve hem adjustable with snap fastener covered on inside • attached waistband with covered snap fastener • leasing label • standard pictograms on front as FR direct stitching.

## LADIES TROUSERS 4kA

Arc flash class 1

Part number: **01072 20144 006 + COLOUR NO.**

Garment weight: approx. 705g

Two-coloured • raw white contrast stitching • waistband with covered button closure • zip fly • 2 slant pockets • 1 hip pocket on the right and 1 bellows pocket on the left with additional, attached pocket - each with flap, covered snap fastener and tab to open • 1 ruler pocket on the right (+ pen pocket) • 2 knee pockets outside with hook&loop fastener.



#### Higher visibility:

Flame-retardant reflective stripes suited for industrial laundry, certified acc. to EN 17353



#### LADIES BLOUSON 4kA REFLECTIVE STRIPES

Arc flash class 1

Part number: **01072 10206 013 + COLOUR NO.**

Garment weight: approx. 820 g

#### LADIES BLOUSON 7kA/4kA REFLECTIVE STRIPES

Arc flash class 2

Part number: **01072 10206 014 + COLOUR NO.**

Garment weight: approx. 905 g

Two-coloured • raw white contrast stitching • stand-up collar with covered snap fastener • covered zip • 2 front pockets (1 as an attached pocket) with flap, covered snap fastener and tab to open • 1 inner pocket left with snap fastener • 2 side pockets with zip • sleeve hem adjustable with snap fastener covered on inside • attached waistband with covered snap fastener • leasing label • standard pictograms on front as FR direct stitching • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.

#### LADIES TROUSERS 4kA REFLECTIVE STRIPES

Arc flash class 1

Part number: **01072 20144 020 2188**

**01072 20144 022 45**

Garment weight: approx. 735 g

#### LADIES TROUSERS 7kA/4kA REFLECTIVE STRIPES

Arc flash class 2

Part number: **01072 20144 021 2188**

**01072 20144 023 45**

Garment weight: approx. 850 g

Two-coloured • raw white contrast stitching • waistband with covered button closure • zip fly • 2 slant pockets • 1 hip pocket on the right and 1 bellows pocket on the left with additional attached pocket – each with flap, covered snap fastener and tab to open • 1 ruler pocket on the right (+ pen pocket) • knee pockets with hook&loop fastener • flame-retardant reflective stripes suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471.

**MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> • 837.3 kJ/m<sup>2</sup>

**HAF VALUE:** 88.9 %

**HABETEX®**

As an additional layer of clothing, our shirts increase the protective function and thus extend the possible uses of PPE. The intelligent clothing solutions in our extensive HB-MODarc® collection thus cover many areas of work.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME					REGULAR SIZES, IN STOCK
1, 2	 	45 521	navy cement grey					S-2XL More sizes available see page 248
2	 	228 50	orange light grey	IEC 61482-2 APC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN 1149-5	EN 13758-2	XS-L More sizes available see page 248
3, 4		45	navy					

**FIELDS OF APPLICATION:** Plant construction, pipeline and line construction, electricians, public services, steel works, switch gear construction, communication, gas and water networks, network engineers



#### LONG SLEEVE 4kA

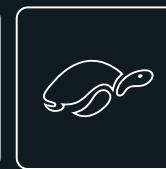
Arc flash class 1

Part number: **01244 80011 011 + COLOUR NO.**

Garment weight: approx. 300g

Single-coloured • piqué T-shirt • round neck • sleeve cuff with modern covering seam • leasing label • seams in contrast colour • standard pictograms as flame retardant direct embroidery on the right sleeve cuff.





#### LADIES POLO SHIRT 4kA, LONG SLEEVE

Arc flash class 1

Part number: **01244 80022 000 45**

Garment weight: approx. 270g

Single-coloured • piqué polo shirt • collar with board and covered snap fasteners • sleeve cuff with modern covering seam • leasing label • seams in contrast colour • standard pictograms as flame retardant direct embroidery on the right sleeve cuff.

#### LADIES LONG SLEEVE 4kA

Arc flash class 1

Part number: **01244 80022 002 45**

Garment weight: approx. 265g

Single-coloured • piqué T-shirt • round neck • sleeve cuff with modern covering seam • leasing label • seams in contrast colour • standard pictograms as flame retardant direct embroidery on the right sleeve cuff.

**MATERIAL:** 54% MODACRYLIC, 44% COTTON, 2% CARBON .

**ATPV VALUE:** 7.3 cal/cm<sup>2</sup> . **ELIM:** 6.12 cal/cm<sup>2</sup> . **EBT50 VALUE:** 7.4 cal/cm<sup>2</sup> . **FABRIC WEIGHT:** approx. 225 g/m<sup>2</sup>

Long-sleeved shirt, sweatshirt and loop shirt represent a contemporary PPE look and increase the protective function of your PPE by adding an extra layer of clothing. Sweatshirt and loop shirt even offer arc flash class 2 protection and can also be worn solo. The extensive solutions in our large HB-MODarc® collection thus expand the range of possible applications and cover many areas of work.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME	IEC 61482-2 APC 1	IEC 61482-2 APC 2	EN ISO 11612 A1+A2/B1/C1/F1	EN ISO 11612 A1/B1/C1	EN 1149-5	EN 13758-2	EN ISO 15797 Washing temperature 60°C	REGULAR SIZES, IN STOCK
1		45	navy								S-2XL
2  , 3											More sizes available see page 248

**FIELDS OF APPLICATION:** Plant construction, electric installation, public services, electricians, pipeline construction, switch gear construction, networks (communication, gas, water), renewable energies



Cuffs with cover stitching



**1, 2 and 3 |**  
Standards pictograms as flame retardant embroidery

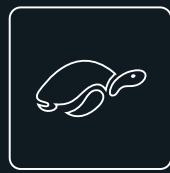
#### LONG SLEEVE 4kA

Arc flash class 1

Part number: **01294 80026 000 45**

Garment weight: approx. 305 g

Single-coloured • lightweight jersey T-shirt with round neck • cuffs with cover stitching • leasing label • standard pictograms as FR direct embroidery on the lower left sleeve.



#### SWEATSHIRT 7kA

Arc flash class 2

Part number: **01279 80023 005 45**

Garment weight: approx. 650g

Single-coloured • round neck • sleeve with knitted cuffs • knitted waistband • standard pictograms as FR direct embroidery on the lower left sleeve • leasing label.

#### LOOP-SWEATSHIRT 7kA

Arc flash class 2

Part number: **01279 80023 003 45**

Garment weight: approx. 780g

Single-coloured • overlapping stand-up collar • inserted pocket openings with zippers • sleeve ends and hem with knitted cuffs • standard pictograms as FR direct embroidery on the lower left sleeve • leasing label.

**MATERIAL:** 54% MODACRYLIC, 44% COTTON, 2% CARBON

**1 | FABRIC WEIGHT:** approx. 170 g/m<sup>2</sup> . **2 | 3 | FABRIC WEIGHT:** approx. 405 g/m<sup>2</sup> .

**1 | EBT50-WERT:** 4.7 cal/cm<sup>2</sup> . **ELIM:** 4.1 cal/cm<sup>2</sup> .

**2 | 3 | ATPV-WERT:** 19.0 cal/cm<sup>2</sup> . **ELIM:** 12.0 cal/cm<sup>2</sup>

Modern and comfortable arc fault protection: that is HB-PROtection®. The lightweight material mix convinces in arc flash performance. The extremely soft fabric ensures a good fit and plenty of freedom of movement. The processed cotton creates a pleasant wearing sensation. The 2-layer 7kA/4kA models are double-worked at the front and sleeves.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 1-ply: APC 1	IEC 61482-2 2-ply: APC 2* *Front part and sleeves/ front trousers	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN ISO 15797	PRO T	REGULAR SIZES, IN STOCK
1		<b>2177</b>	navy/dark grey									46–58, 94–110
2  , 3		<b>2175</b>	dark grey/navy									More sizes available see page 248
1		<b>2177</b>	navy/dark grey		IEC 61482-2 APC 2							
2		<b>2175</b>	dark grey/navy									

**FIELDS OF APPLICATION:** Metal industry, public services, electricians, pipeline and line construction, communication, gas and water networks



The 7kA version is completely doubled



#### JACKET 4kA

Arc flash class 1

Part number: **01072 10112 020 2177**

Garment weight: approx. 835 g

#### JACKET 7kA/4kA

Arc flash class 2

Part number: **01072 10112 018 2177**

Garment weight: approx. 910 g

#### JACKET 7kA

Arc flash class 2

Part number: **01072 10112 019 2177**

Garment weight: approx. 945 g

Two-coloured • stand-up collar with covered snap fastener • covered zip • 2 breast pockets with covered zip fastener, left pocket with tap to open • 1 inner breast pocket with additional pen pocket and hook&loop fastener • 2 side pockets with zip fastener • sleeve hem with reflective pipes • no high-visibility protective clothing acc. to EN ISO 2047 and EN 17353 • back with 2 movement pleats • elongated back as kidney protection • sleeve opening with gusset • sleeve hem with gusset and covered hook&loop fastener • added waistband • FR standard pictograms on the front.



light



MULTI  
RISK

21 TO  
WEAR

ARC &  
ENERGY



#### TROUSERS 4kA

Arc flash class 1

Part number: **01072 20074 017 2175**

Garment weight: approx. 730g

#### TROUSERS 7kA/4kA

Arc flash class 2

Part number partially 7kA/4kA: **01072 20074 018 2175**

Garment weight: approx. 795g

#### TROUSERS 7kA

Arc flash class 2

Part number: **01072 20074 035 2175**

Garment weight: approx. 860g

Two-coloured • waistband with covered button closure • zip fly • ergonomic knees • 2 slant pockets • 2 hip pockets and 2 bellow pockets – each with flap and covered snap fasteners • knee pockets with reflective pipes • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.

#### BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: **01072 50055 015 2175**

Garment weight: approx. 855g

#### BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number partially 7kA/4kA: **01072 50055 016 2175**

Garment weight: approx. 970g

Two-coloured • stretch braces with fixlock buckle • straight kidney protection • elastic waistband all around • 2 side access with gusset • slit with zip • ergonomic knees • 2 slant pockets • bib pocket with covered snap fastener • 2 hip pockets • 2 bellow pockets – each with flap and covered snap fastener • knee pockets with reflective pipes • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.

**MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> · 837.3 kJ/m<sup>2</sup> · **HAF VALUE:** 88.9 %

**HB-PROtection**

Modern and comfortable arc flash protection for women: HB-PROtection®. The extremely soft fabric and optimised cut ensure a good fit and plenty of freedom of movement. The lightweight material blend delivers impressive arc flash performance. The cotton content also makes it comfortable to wear. For best possible protection the jacket is available in three protective variants.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN ISO 11611	EN 1149-5	EN 13034	EN ISO 15797	REGULAR SIZES, AVAILABLE
1		2177	navy/dark grey	 1-ply: APC 1 2-ply: APC 2* *Front part and sleeves/ front trousers	 EN ISO 11612 A1+A2/B1/ C1/F1	 EN ISO 11611 Class 1 A1+A2	 EN 1149-5	 EN 13034 Type 6	 EN ISO 15797	36–46, 18–23, 72–92 More sizes available see page 248
2		2175	dark grey/navy							

**FIELDS OF APPLICATION:** Metal industry, public services, electricians, pipeline and line construction, communication, gas and water networks



#### LADIES JACKET 4kA

Arc flash class 1

Part number: **01072 10206 006 2177**

Garment weight: approx. 1,020g

#### LADIES JACKET 7kA/4kA

Arc flash class 2

Part number: **01072 10206 008 2177**

Garment weight: approx. 1,105g

#### LADIES JACKET 7kA

Arc flash class 2

Part number: **01072 10206 007 2177**

Garment weight: approx. 1,220g

Two-coloured • stand-up collar with covered snap fastener • covered zip • 2 breast pockets with covered zip fastener, left pocket with tap to open • 1 inner breast pocket with additional pen pocket and hook&loop fastener • 2 side pockets with zip fastener • sleeve hem with reflective pipes • no high-visibility protective clothing acc. to EN ISO 2047 and EN 17353 • back with 2 movement pleats • elongated back as kidney protection • sleeve opening with gusset • sleeve hem with gusset and covered hook&loop fastener • added waistband • FR standard pictograms on the front.



#### LADIES TROUSERS 4ka

Arc flash class 1

Part number: 01072 20144 010 2175

Garment weight: approx. 750 g

Two-coloured • waistband with covered button closure • zip fly • ergonomic knees • 2 slant pockets • 2 hip pockets and 2 bellow pockets – each with flap and covered snap fasteners • knee pockets with reflective pipes • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.



The products on this page can be ordered from one piece and are available via our highspeed delivery service 21 TO WEAR®.

**MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>)

**4kA: ATPV-WERT:** 13.0 cal/cm<sup>2</sup>

**7kA/4kA: EBT50-WERT:** 20.0 cal/cm<sup>2</sup> . 837.3 kJ/m<sup>2</sup> . **HAF-WERT:** 88.9 %

**HB-PROtection**

# HB-PROtection® Green Turtle

Our HB-PROtection® Green Turtle shirt is made with organic cotton. It offers modern design as well as a comfortable, ergonomically improved "Comfort Fit". The fabric has a very low weight and provides most high wearing comfort – and inherent flame retardancy. Additionally it offers reliable protection against Arc Flash and antistatic properties. Therefore, it is suited for many working areas and the perfect complement for many HB product lines.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 1	EN ISO 11612 A1+A2/B1/C1/F1	EN 1149-5	EN 13758-2	EN ISO 15797	REGULAR SIZES, IN STOCK
1		45	navy						39/40-47/48 More sizes available see page 248
2		52	medium grey						36-48 More sizes available see page 248

**FIELDS OF APPLICATION:** Heat and flame exposed workplaces, energy suppliers, public services, plant engineering and construction, electricians



Embroidered standard pictograms

## SHIRT 4kA

Arc flash class 1

Part number: 01251 60026 000 + COLOUR-NO.

Garment weight: approx. 440g

Single-coloured • Comfort Fit • turn-down collar with snap fastener • front zipper with covered snap fastener on both sides • preformed sleeves • chest pocket with flap and sleeve cuff with gusset – each with covered snap fastener • FR Leasing label • standard pictograms as FR embroidery on right sleeve cuff.



#### What is the Organic Content Standard?



Organically grown cotton according to OCS 100 has been used in this shirt. Organic Content Standard 100 enables independent assessment, verification and traceability of the exact organic fiber content in the product. The OCS 100 certificate confirms that the organic content of the cotton used is at least 95%.



Dart at chest height

#### LADIES SHIRT 4kA

Arc flash class 1

Part number: 01251 60029 000 + COLOUR-NO.

Garment weight: approx. 390 g

Single-coloured • Comfort Fit • turn-down collar with snap fastener • front zipper with covered snap fastener on both sides • preformed sleeves • dart at chest height • chest pocket with flap and sleeve cuff with gusset – each with covered snap fastener • FR Leasing label • standard pictograms as FR embroidery on right sleeve cuff.

**MATERIAL:** 54% MODACRYLIC, 44% COTTON (organic), 2% CARBON

**FABRIC WEIGHT:** approx. 195 g/m<sup>2</sup>

**ATPV VALUE:** 6.9 cal/cm<sup>2</sup> • **HAF VALUE:** 72.6 % • **EBT50 VALUE:** 6.4 cal/cm<sup>2</sup>

**HB-PROtection**

Our most comprehensive product line HB-MODarc&vis®, which we present on the following pages, is a universal talent. The shirts offer multi-risk protection for underneath – and in summer also for outside! They are suitable for work areas that require multiple standards in combination with UV and high visibility. The FR vest with hi-vis protection is the ideal complement for many applications.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	PROTECTION	REGULAR SIZES, IN STOCK
1		2397	fluorescent orange/navy	IEC 61482-2 APC 1 EN ISO 11612 A1/B1/C1/F1 EN 13758-2	S-2XL More sizes available see page 248
2					XS-L More sizes available see page 248
3					
4					
5		2112	fluorescent yellow/navy	IEC 61482-2 APC 2 EN ISO 11612 A1/B1/C1 EN 1149-5 EN ISO 15797	XS-4XL More sizes available see page 248
6					1-4 More sizes available see page 248

**FIELDS OF APPLICATION:** Plant construction, pipeline and line construction, electricians, public services, steel works, switch gear construction, communication, gas and water networks

### POLO SHIRT 4kA, LONG SLEEVE

Arc flash class 1

Part number: **01270 80012 003 2397**

Garment weight: approx. 350 g

With reflective stripes circumferentially.

Two-coloured • long sleeves • collar with polo placket • closure band with flame-retardant snap fasteners • contrast stitching in raw white • flexible segmented and flame-retardant reflective stripes • standard pictograms as direct stitching on the bottom of the right sleeve • leasing label inside on the back.



1 to 5 | Flexible segmented and flame-retardant reflective stripes



Polo shirt reflective stripes like braces  
Part number:  
**01270 80012 006 2397**

### POLO SHIRT 4kA, LONG SLEEVE

Arc flash class 1

Part number: **01244 80012 003 2112**

Garment weight: approx. 300 g

### LADIES POLO SHIRT 4kA, LONG SLEEVE

Arc flash class 1

Part number: **01244 80022 001 2112**

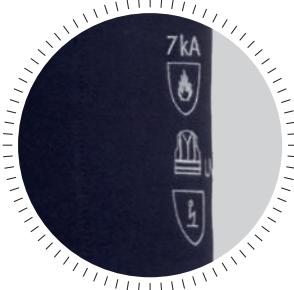
Garment weight: approx. 250 g

Two-coloured • long sleeves • collar with polo placket • closure band with flame-retardant snap fasteners • contrast stitching in raw white • flexible segmented and flame-retardant reflective stripes • standard pictograms as direct stitching on the bottom of the right sleeve • leasing label inside on the back.





Standard pictograms as direct embroidery on the collar



4 |



Comfortable knitted cuffs

#### SWEATSHIRT 7kA

Arc flash class 2

Part number: 01279 80023 004 2112

Garment weight: approx. 670g

Three-coloured • round neck • sleeve cuff with knitted cuffs • knitted waistband • stretchable and segmented flame retardant reflective stripes • standard pictograms as FR direct embroidery on the lower left sleeve • leasing label.

Reflective stripes, suitable for industrial laundry

5 |



Hook&loop fastener

#### VEST HIGH VIS FR

High-Visibility FR

Part number: 01072 10129 001 2112

Garment weight: approx. 435g

Two-coloured • round design, contrast stitching in off-white • front closure via hook&loop fastener • HB logo as direct embroidery on back • flame-retardant reflective stripes attached in body language.

1 |, 2 | MATERIAL: 49% POLYESTER, 30% MODACRYLIC, 20% COTTON, 1% CARBON .

FABRIC WEIGHT: approx. 245 g/m<sup>2</sup> . ATPV VALUE: 8.9 cal/cm<sup>2</sup> . ELIM: 6.8 cal/cm<sup>2</sup> .

3 |, 4 | MATERIAL: 54% MODACRYLIC, 44% COTTON, 2% CARBON . FABRIC WEIGHT: approx. 225 g/m<sup>2</sup> .

ATPV-WERT: 7.3 cal/cm<sup>2</sup> . ELIM: 6.12 cal/cm<sup>2</sup> . EBT50-WERT: 7.4 cal/cm<sup>2</sup> .

5 | MATERIAL: 54% MODACRYLIC, 44% COTTON, 2% CARBON . FABRIC WEIGHT: approx. 405 g/m<sup>2</sup> .

ATPV VALUE: 19.0 cal/cm<sup>2</sup> . 794.96 kJ/m<sup>2</sup> .

6 | MATERIAL: 55% MODACRYLIC, 43% COTTON, 2% CARBON . FABRIC WEIGHT: approx. 275 g/m<sup>2</sup> .

**HABETEX®**

**HI-VISION®**

The HB-MODarc&vis® parka with liner is suitable for a wide range of applications and thanks to the elaborate roof tile processing also for handling liquid metals. With the zip-in inner fleece it is unbeatable in cold weather. For optimum protection, the collar is reinforced with aramid fabric on the inside.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME											REGULAR SIZES, IN STOCK	
1		2047	black/navy	-	-	-	-	-	-	-	-	-	EN 14056 Class 1	S-2XL More sizes available see page 248	
2		2112	fluorescent yellow/navy	EN ISO 20471 Class 2	EN 343 Class 3/3	IEC 61482-2 APC 2	EN ISO 11612 A1+A2/B1/ C1/E1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type PB [6]	-	-	-	-	-
3		45	navy	Certification only in combination with parka											

**FIELDS OF APPLICATION:** Energy suppliers, public services, plant responsible, liquid metal works, steel works, metal construction, electricians, public transport areas, petrochemistry, catenary construction

Optimised fit



#### FLEECE JACKET FR

Outdoor

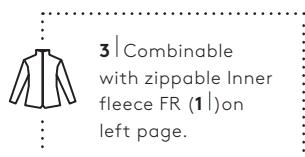
Part number: **07015 19095 000 2047**

Garment weight: approx. 700g

Two-coloured • high band collar • closure band with zip fastener for closing or zipping into our HB-MODarc&vis® parkas • various buttons for fixation in parka • elastic wristband • material certified acc. to EN ISO 11612 A1/B1/C1/F1.



ARC &  
ENERGY



FR standard pictograms  
embroidered on the collar



## PARKA 7KA

Arc flash class 2

Part number: **01072 19098 000 2112**

Garment weight: approx. 1,630 g

Two-coloured • flame-retardant upper material with liner • sealed seams • high band collar with covered buttons for hood attachment • hood suitable for wearing with or without helmet • covered 2-way zip fastener plus drip moulding with snap fasteners • 1 front pocket on the left, 1 mobile phone pocket (bellows) on the right, covered with laminated weather protection, and 2 side pockets (bellows) – each with flap and covered snap fastener • flame-retardant reflective stripes, suitable for industrial laundry • wristbands with strap and hook&loop fastener • FR standard pictograms on the collar.



## HOOD

Arc flash class 2

Part number: **01072 79004 000 45**

Garment weight: approx. 140 g

Single-coloured • flame-retardant upper material with liner • sealed seams • to be attached via buttons, and suitable to be worn with or without helmet • attached visor • field of vision adjustable via cord • height adjustable via cord at back of head • certification only in combination with parka.



**1 | MATERIAL:** 48 % MODACRYLIC, 32 % COTTON, 18 % POLYESTER, 2 % CARBON

**FABRIC WEIGHT:** approx. 360 g/m<sup>2</sup>

**2 | MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON // With liner

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup>

**OUTER PLY: ATPV VALUE:** 10.4 cal/cm<sup>2</sup> . 435.4 kJ/m<sup>2</sup> . **HAF VALUE:** 80.2 %

**HABETEX®**

Safety even in problematic weather plus antistatic as well as additional protection against chemicals, heat, flames, welding spatter and electric arcs. This high-visibility and weather protection outfit with direct laminate is lightweight, windproof and 100 % water repellent. It can be perfectly combined with many other models of the HB-MODarc&vis® series.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME	EN ISO 20471 Class 3 EN ISO 20471 Class 1	EN 343 Class 3/4	IEC 61482-2 APC 2 IEC 61482-2 APC 1	EN ISO 11612 A1/B1/ C1/F1	EN ISO 11611 Class 1 A1	EN 1149-5	EN 13034 Type 6	REGULAR SIZES, IN STOCK
1											S-2XL More sizes available see page 248
2		<b>2112</b>	fluorescent yellow/navy								One size More sizes available see page 248
3											

Certification only in combination with parka

**FIELDS OF APPLICATION:** Work in public places with additional hazards by arcs and flames, energy providers (also Off-shore industry), alternative energie providers, petrol chemistry, steelworks, electricians



Wristband adjustable via  
hook&loop fastener

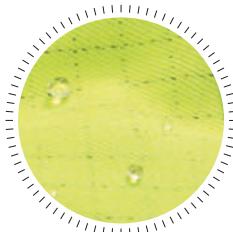
#### PARKA 7KA

Arc flash class 2

Part number: **05019 19071 013 2112**

Garment weight: approx. 1,665g

Two-coloured • flame-retardant upper material as direct laminate • sealed seams • design with round shapes • contrast stitching in off-white • high band collar with zip fastener for hood attachment • covered 2-way zip fastener plus drip moulding • elongated back • 1 inner Napoleon pocket on the left and 2 side pockets and 1 inner pocket on the left – each with zip fastener • waist adjustment via drawstring • wristbands adjustable via hook&loop fastener • flame-retardant reflective stripes • standard pictograms as direct embroidery on the front.



1 to 3 |  
100 % water-repellent

#### BIB TROUSERS 4ka

Arc flash class 1

Part number: 05019 29000 006 2112

Garment weight: approx. 1,060 g

Two-coloured • flame-retardant upper material as direct laminate • sealed seams • parts subject to heavy soiling in navy blue • adjustable elastic braces • high kidney protection with elastic • elasticated side access • 2 slant pockets • 1 hip and 1 bellows leg pocket – each with flap, covered hook&loop fastening and tab to open • adjustable foot width thanks to additional material and zip.



Reflective stripes, suitable for industrial laundry

Foot width adjustable with PCV-Zip thanks to additional material



#### HOOD

Arc flash class 2

Part number: 05019 79006 001 2112

Garment weight: approx. 200 g

Two-coloured • flame-retardant upper material as direct laminate • sealed seams • design with round shapes • separate hood, attachable via zip fastener and suited for wearing with/without helmet, with added peak • hood's field of vision adjustable via cord • hood height adjustable via hook&loop fastener at back of head.



**MATERIAL:** 55 % MODACRYLIC, 43 % COTTON, 2 % CARBON, POLYURETHAN-MEMBRANE

**FABRIC WEIGHT:** approx. 300 g/m<sup>2</sup>

**OUTER PLY: ATPV VALUE:** 22.2 cal/cm<sup>2</sup> · 929.3 kJ/m<sup>2</sup> · **HAF VALUE:** 87.8 %

**HABETEX®**  
**HI-VISION®**

# HB-ArcFlash Pro

Relaunch of a bestseller: jackets, pants, and dungarees from our large HB-MODarc&vis® range have been completely redesigned and optimized. The new high-performance HB-ArcFlash Pro collection impresses with its top design featuring navy contrasting sections. Unchanged: the proven lightweight and durable fabric. Together with the new ergonomic cut and mechanical stretch inserts, it ensures comfortable working with freedom of movement even during challenging tasks.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	REGULAR SIZES, IN STOCK
1, 2		2112	fluorescent yellow/ navy	EN ISO 20471 Blouson: Class 2	IEC 61482-2 1-ply: APC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type 6	EN 14404-4	EN ISO 15797 Washing temperature 60°C	46-58, 94-110 More sizes available see page 248
3		3379	fluorescent yellow/ navy/black	Trousers, Bib and brace trousers: Class 1	2-ply: APC 2* * Front part and sleeves/ front trousers							

**FIELDS OF APPLICATION:** Public services, public transport and construction, electricians, energy suppliers



## BLOUSON 4kA

Arc flash class 1

Part number: **01072 10086 000 2112**

Garment weight: approx. 950 g

## BLOUSON 7kA/4kA

Arc flash class 2

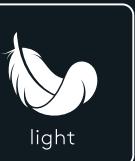
Part number: **01072 10086 001 2112**

Garment weight: approx. 1,135 g

Two-coloured • stand-up collar with covered snap fastener • covered 2-way zipper • 2 front pockets with flap and covered snap fasteners • 1 inside pocket on the left with hook&loop fastener • 2 side pockets with zipper • ergonomic sleeve shape • adjustable sleeve hem with covered snap fastener • cut-on waistband with covered snap fastener • standard pictograms on the front as FR direct embroidery • suited for industrial laundry.



METAL-FREE



light



**1 and 2** | Jacket and trousers worn together equal **EN ISO 20471** **high-visibility class 3** from size 40/20.

**2 |**

**2 and 3 |** Front trousers available as 1-ply or 2-ply version  
**Electric Arc Flash protection 4kA or 7kA/4kA**

**3 |**

#### TROUSERS 4kA

Arc flash class 1

Part number: **01072 20149 000 2112**

Garment weight: approx. 820 g

#### TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01072 20149 001 2112**

Garment weight: approx. 955 g

Two-coloured • attached waistband with covered button closure • slit with zip-fly • two slanted pockets • 1 hip pocket on the right with flap • one bellows pocket on the left with additional pen pocket and mobile phone pocket – each with flap and covered snap fastener • 1 pocket for ruler on the right with attached pocket for utensils and flap • knee pad pockets • flame-retardant reflective stripes • suitable for industrial laundry.

#### BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: **01072 50110 000 3379**

Garment weight: approx. 960 g

#### BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01072 50110 001 3379**

Garment weight: approx. 1,095 g

Two-coloured • stretch straps with fix-lock clip and loop for fixation • high-reach kidney protection • 2 stretch gussets at side • slit with zip • 2 slant pockets • 1 bib pocket and hip pocket on the right with flap • bellows pocket on the left with pen pocket and mobile phone pocket inside – with flap and covered snap fastener • 1 ruler pocket on the right with additional pocket for utensils on top and flap • knee pad pockets • flame-retardant reflective stripes • suitable for industrial laundry.

**MATERIAL:** 55% MODACRYLIC, 43% COTTON, 2% CARBON .**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>) .**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup> . **ELIM:** 9.6 cal/cm<sup>2</sup> .**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> . 837.3 kJ/m<sup>2</sup> . **HAF VALUE:** 88.9 %**HABETEX®****HI-VISION®**

# HB-ArcFlash Pro

The new HB-ArcFlash Pro softshell jacket is windproof, breathable and highly functional. It offers multi-risk protection with sweat protection class 2 and warning protection class 3, with optimum wearing comfort thanks to the elastic material and segmented reflective stripes. HB-ArcFlash Pro is of course also available for women with a perfect ergonomic fit.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 2	EN ISO 11612 A1/B1/ C2/F2	EN ISO 11611 Class 2 A1	EN 1149-5	EN 13034 Type PB [6]	EN 14404-4	PRO	REGULAR SIZES, IN STOCK
1		17	fluoresc. yellow	EN ISO 20471 Class 3	IEC 61482-2 APC 2	EN ISO 11612 A1/B1/ C2/F2	EN ISO 11611 Class 2 A1			-	S-2XL More sizes available see page 248
18			fluoresc. orange								
2		2112	fluorescent yellow/navy	EN ISO 20471 Blouson: Class 2	IEC 61482-2 1-ply: APC 1	EN ISO 11612 A1+A2/B1/ C1/F1	EN ISO 11611 Class 1 A1+A2	EN 1149-5	EN 13034 Type PB [6]		Regular sizes, available: 36-46, 18-23, 72-92
3		3379	fluorescent yellow/navy/ black	Trousers: Class 1	2-ply: APC 2* *Front part and sleeves/ front trousers				EN 14404-4	EN ISO 15797 Washing temperature 60°C	More sizes available see page 248

**FIELDS OF APPLICATION:** Plant responsible, network technicians, power suppliers, engineers, municipal utilities, plant construction, electricians, track work, infrastructure, electrification, transport and construction companies



## SOFTSHELLJACKET 7kA

Arc flash class 2

Part number: **10009 19102 000 + COLOUR-NO.**

Garment weight: approx. 1,080g

Single-coloured • high stand-up collar with hook&loop fastener • closure band with covered zipper • Napoleon pocket on the left and 2 side pockets, each with zipper • 2 inside pockets • sleeve hem with knitted cuff inside • FR reflective stripes in body language • standard pictograms as FR direct embroidery.



2 and 3 |



Front part and sleeve available as 1-ply or 2-ply version  
**Electric Arc Flash protection 4kA or 7kA/4 kA**

Flame retardant reflective stripes suited for industrial laundry



3 |



Useful pocket for utensils



#### LADIES BLOUSON 4kA

Arc flash class 1

Part number: **01072 10154 000 2112**

Garment weight: approx. 850g

#### LADIES BLOUSON 7kA/4kA

Arc flash class 2

Part number: **01072 10154 001 2112**

Garment weight: approx. 1,020g

Two-coloured • stand-up collar with covered snap button • covered 2-way zipper • 2 front pockets with flap and covered snap buttons • 1 inside pocket on the left with hook&loop fastener • 2 side pockets with zipper • ergonomic sleeves, sleeve hem adjustable with covered snap button • cut-on waistband with covered snap button • standard pictograms on the front as FR direct embroidery • suited for industrial laundry.

#### LADIES TROUSERS 4kA

Arc flash class 1

Part number: **01072 20059 000 2112**

Garment weight: approx. 780g

#### LADIES TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01072 20059 001 2112**

Garment weight: approx. 890g

Two-coloured • attached waistband with covered button • slit with zip-fly • 2 slant pockets • 1 hip pocket on the right with flap • 1 bellow pocket on the left with additional pen pocket and mobile phone pocket – with flap and covered snap fastener • 1 pocket for ruler on the right with attached pocket for utensils and flap • knee pad pockets • flame-retardant reflective stripes • suitable for industrial laundry.

1 | **MATERIAL:** 40 % MODACRYLIC, 32 % COTTON, 16 % POLYESTER, 11 % POLYURETHANE, 1 % CARBON

**FABRIC WEIGHT:** approx. 385 g/m<sup>2</sup> . **ATPV VALUE:** 23.15 cal/cm<sup>2</sup> .

2 | **MATERIAL:** 54 % MODACRYLIC, 44 % COTTON, 2 % CARBON

**FABRIC WEIGHT:** approx. 275 g/m<sup>2</sup> (2-ply: + approx. 175 g/m<sup>2</sup>) .

**4kA: ATPV VALUE:** 13.0 cal/cm<sup>2</sup> . **ELIM:** 9.6 cal/cm<sup>2</sup> .

**7kA/4kA: EBT50 VALUE:** 20.0 cal/cm<sup>2</sup> . 837.3 kJ/m<sup>2</sup> . **HAF VALUE:** 88.9 %

**HABETEX®**  
**HI-VISION®**

Great look, pleasant material and highly functional: HB-4Energy® combines lightweight rip-stop fabric with stretchy and abrasion-resistant elements to protect in all the right places. Elastic parts provide exceptionally high wearing comfort with plenty of freedom of movement. This modern multi-risk collection meets the current zeitgeist as it covers many work areas and is a real eye-catcher because of the different material structures.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME	EN ISO 20471 Class 2	EN ISO 20471 Class 1	IEC 61482-2 1-ply: APC 1	IEC 61482-2 2-ply: APC 2*	EN ISO 11612 A1/B1/ C1/F1 *Front part and sleeves/ front trousers 1	EN ISO 11611 Class 1 A1	EN 1149-5	EN 13034 Type 6	EN ISO 15797 Washing temperature 60 °C	PRO PROTEC	REGULAR SIZES, IN STOCK
1		4027	fluorescent yellow/ dark blue/navy	EN ISO 20471 Class 2										46-58, 23-29, 94-110 More sizes available see page 248
2		4027	fluorescent yellow/ dark blue/navy			IEC 61482-2 1-ply: APC 1	IEC 61482-2 2-ply: APC 2*	EN ISO 11612 A1/B1/ C1/F1 *Front part and sleeves/ front trousers 1	EN ISO 11611 Class 1 A1	EN 1149-5	EN 13034 Type 6	EN ISO 15797 Washing temperature 60 °C		36-46, 18-23, 72-92 (Regular sizes, available) More sizes available see page 248
3		4028	dark blue/fluorescent yellow/navy	EN ISO 20471 Class 1										

**FIELDS OF APPLICATION:** Plant construction, electric installation, public services, electricians, pipeline construction, switch gear construction, networks (communication, gas, water), renewable energies



1 and 2 | In the models with arc fault protection class 2, the material is doubled at the front sides and on the sleeves as well as on the front legs, and offers 7kA protection there

## JACKET 4KA

Arc flash class 1  
Part number: **01288 10219 000 4027**  
Garment weight: approx. 950 g

## JACKET 7KA/4KA

Arc flash class 2  
Part number: **01288 10219 001 4027**  
Garment weight: approx. 1,170 g

Two-coloured • stand-up collar • covered zip with covered snap fasteners • 2 breast pockets with covered snap fasteners and flap • 2 breast pockets with covered snap fasteners and flap • 1 inner breast pocket with snap fastener • 2 side pockets with zip • reflective elements on breast pockets • back extension as additional kidney protection • sleeves with knitted cuffs as wind guard inside and outside with adjustable hook & loop fastener • segmented reflective stripes • standard pictograms as FR direct embroidery on front left.



**2 and 3** | Elastic elements at the sides of the waistband, in the pocket opening, at the back of the trousers and in the crotch provide relief during kneeling activities



**2 and 3** | Partially robust and dirt-resistant areas on knee pockets and inside of the leg bottom

#### TROUSERS 4kA

Arc flash class 1

Part number: **01288 20156 002 4027 // 01288 20156 000 4028**

Garment weight: approx. 770 g

#### TROUSERS 7kA/4kA

Arc flash class 2

Part number: **01288 20156 003 4027 // 01288 20156 001 4028**

Garment weight: approx. 950 g

Two-coloured • waistband raised at the back • reinforced belt loops • slit with zip • 2 wing pockets with trim and reflective elements • 2 back pockets with flap and press studs • 1 ergonomic ruler pocket on the right, 1 leg pocket on the left - both free-hanging and with flap, the leg pocket as bellows pocket with inside mobile phone pocket • knee pocket with Velcro fastening • segmented reflective stripes.

#### LADIES TROUSERS 4kA

Arc flash class 1

Part number: **01288 20160 002 4027**

Garment weight: approx. 735 g

#### LADIES TROUSERS 7kA/4kA

Arc flash class 1

Part number: **01288 20160 003 4027**

Garment weight: approx. 880 g

Two-coloured • ergonomic waistband • reinforced belt loops • slit with zip-fly • 2 slant pockets with reflective elements • 2 hip pockets with flap and press buttons • 1 ergonomic pocket for folding rule on the right and 1 leg pocket on the left - each with with flap and hanging free, the leg pocket as cargo pocket and with additional handy pocket inside • knee pockets with hook&loop fastener • the waistband, the inside of the slant pockets, the saddle in the back and the crotch are made with elastic material • segmented reflective stripes.

**MATERIAL:** 44 % MODACRYLIC, 30 % COTTON, 20 % POLYAMIDE, 5 % ARAMIDE, 1 % CARBON

**FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup> (2-ply: + approx. 180 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 11.0 cal/cm<sup>2</sup> . 460.24 kJ/m<sup>2</sup> . **ELIM:** 10.0 cal/cm<sup>2</sup> .

**7kA/4kA: ATPV VALUE:** 31.0 cal/cm<sup>2</sup> . 1297.04 kJ/m<sup>2</sup> . **ELIM:** 18.0 cal/cm<sup>2</sup>

**HB-4Energy**

Great look, pleasant material and highly functional: HB-4Energy® combines lightweight rip-stop fabric with stretchy and abrasion-resistant elements to protect in all the right places. Elastic parts provide exceptionally high wearing comfort with plenty of freedom of movement. This modern multi-risk collection meets the current zeitgeist as it covers many work areas and is a real eye-catcher because of the different material structures.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME	IEC 61482-2 1-ply: APC 1	EN ISO 20471 Class 1	IEC 61482-2 2-ply: APC 2* *Front part and sleeves/ front trousers 1	EN ISO 11612 A1/B1/ C1/F1	EN ISO 11611 Class 1 A1	EN 1149-5	EN 13034 Type 6	EN 17353 Type B2	PRO EN 61482-2 1-ply: APC 1	REGULAR SIZES, IN STOCK
3		4027	fluorescent yellow/ dark blue/navy										46-58, 94-110 More sizes available see page 248
3		4028	dark blue/fluorescent yellow/navy										
4		48	dark blue	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/ C1/F1	EN ISO 11611 Class 1 A1							

**FIELDS OF APPLICATION:** Plant construction, electric installation, public services, electricians, pipeline construction, switch gear construction, networks (communication, gas, water), renewable energies



#### BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: 01288 50106 002 4027 // 01288 50106 000 4028

Garment weight: approx. 920 g

3 | Resistant and dirt-repellent material on knee pockets and at the bottom of the inner leg

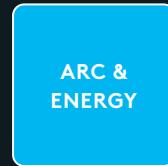
#### BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number: 01288 50106 003 4027 // 01288 50106 001 4028

Garment weight: approx. 1,050 g

Two-coloured • stretch straps with fixlock buckles • bib with bib pocket and flap with snap fastener • high kidney protection • slit with zip • 2 wing pockets with trimming and reflective elements • 2 hip pockets with flap and snap fasteners • 1 ergonomic ruler pocket on the right, 1 leg pocket on the left - both free-hanging and with flap, the leg pocket as bellow pocket with inside mobile phone pocket • knee pocket with hook&loop fastener • segmented reflective stripes.



Elastic elements on the sides of the waistband, in the pocket opening, on the back of the pants, in the crotch, and on the knees provide relief when working on your knees

4



Durable and dirt-resistant material on the knee pockets and lower leg



Ergonomic folding rule pocket with flap



Leg pocket; free-hanging at the bottom with flap, as a bellows pocket on the left, with inner cell phone pocket

## TROUSERS 4kA

Arc flash class 1

Part number: 01288 20156 004 48

Garment weight: approx. 850g

Single-coloured • raised waistband at the back • slit with zipper • 2 wing pockets with trim and reflective elements • 2 back pockets with flaps and snap fasteners • 1 ergonomic folding rule pocket on the right and 1 leg pocket; free-hanging at the bottom with flap, as a bellows pocket on the left, with additional inner cell phone pocket • knee pocket with hook&loop fastener • elastic inserts on the sides of the waistband, in the pocket openings, on the back yoke, in the crotch area and around the knees • durable and dirt-resistant areas on the knee pockets and lower inner leg • segmented reflective stripes.

**MATERIAL:** 44 % MODACRYLIC, 30 % COTTON, 20 % POLYAMIDE, 5 % ARAMIDE, 1 % CARBON

**FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup> (2-ply: + approx. 180 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 11.0 cal/cm<sup>2</sup> . 460.24 kJ/m<sup>2</sup> . **ELIM:** 10.0 cal/cm<sup>2</sup> .

**7kA/4kA: ATPV VALUE:** 31.0 cal/cm<sup>2</sup> . 1297.04 kJ/m<sup>2</sup> . **ELIM:** 18.0 cal/cm<sup>2</sup>

**HB-4Energy**

# HB-MultiPro FR®

Windproof, water-repellent and breathable:

MultiPro FR® is the perfect all-round protection for autumn and winter: Eight certified standards offer an exceptionally high level of protection suited for many different work areas and applications. Our all-rounder also impresses with its contemporary look and stands for modern and hard-wearing PPE.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME	EN ISO 20471 Class 3	EN 343 Class 3/4	IEC 61482-2 APC 2	EN ISO 11612 A1/B1/C1/ E1/F1	EN ISO 11611 Class 2 A1	EN 1149-5	EN 13034 Type PB [6]	-	REGULAR SIZES, IN STOCK
1	2425		fluoresc. yellow/ stone grey									S-2XL More sizes available see page 248
	2143		fluoresc. yellow/ dark blue	EN ISO 20471 Class 3	EN 343 Class 3/4	IEC 61482-2 APC 2	EN ISO 11612 A1/B1/C1/ E1/F1	EN ISO 11611 Class 2 A1	EN 1149-5	EN 13034 Type PB [6]	-	
	2408		fluoresc. orange/ stone grey									
	2147		fluoresc. orange/ dark blue									
2	17		fluoresc. yellow									One size More sizes available see page 248
	18		fluoresc. orange									

**FIELDS OF APPLICATION:** Petrochemistry, catenary construction, energy suppliers



Side pockets with  
zipper

## PARKA 7kA

Arc flash class 2

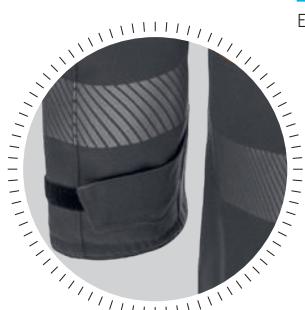
Part number: 01121 19018 000 + COLOUR NO.

Garment weight: approx. 1,780g

Two-coloured • flame retardant outer fabric with liner, welded seams • stand-up collar with concealed push buttons, chin guard and zipper for hood • covered 2-way zip plus drip moulding • 2 chest pockets with flap and covered snap fastener • 2 side pockets with zipper • 1 inside pocket on the left with Velcro closure • extended back • waist and hem width adjustable via cord • inside zipper to hook the fleece jacket • sleeves bottom width adjustable with hook & loop closure • flame retardant, segmented FR reflective stripes • standard pictograms as FR embroidery at the front.

Stand-up collar with  
concealed push buttons, chin  
guard and zipper for hood





Segmented reflective stripes,  
flame retardant



## HOOD

Arc flash class 2

Part number: **01121 79006 004 + COLOUR NO.**

Garment weight: approx. 195 g

Single-coloured • flame-retardant upper material with liner • sealed seams • separate hood, attachable via zipper • field of vision adjustable via cord • hood height adjustable via hook&loop fastener at the back of the head • certification only in combination with parka.

**MATERIAL:** 31% POLYESTER, 28% MODACRYLIC, 20% ARAMIDE, 20% VISCOSE, 1% CARBON // With liner

**FABRIC WEIGHT:** approx. 320 g/m<sup>2</sup>

**ATPV VALUE:** 8.8 cal/cm<sup>2</sup> · 368.19 kJ/m<sup>2</sup> · **ELIM:** 8.0 cal/cm<sup>2</sup>

**HABETEX®**

# HB-MultiPro FR®

Just like the parka, the dungarees have many convenient features such as a moisture barrier and numerous well-designed pockets. For even more effective protection against the cold, a matching fleece jacket can be added or, if required, worn on its own in the 4kA or 7kA version. Our new high-visibility fleece jacket certified acc. to EN ISO 20471 class 3 is the perfect outfit when working in the dark.

ITEM	COLOUR	COLOUR-NO.	COLOUR NAME									REGULAR SIZES, IN STOCK	
3		2425	fluoresc. yellow/stone grey		EN ISO 20471 Class 1	EN 343 Class 3/4	IEC 61482-2 APC 2		EN ISO 11612 A1/B1/C1/E1/F1	EN ISO 11611 Class 2 A1			
		2143	fluoresc. yellow/dark blue									EN 13034 Type PB [6]	
		2408	fluoresc. orange/stone grey									EN 1149-5	
		2147	fluoresc. orange/dark blue									-	
4		48	dark blue	-		IEC 61482-2							
		528	dark grey	-		1-ply: APC 1	EN ISO 11612 A1/B1/C2/F1	-				EN 14058 Class 1	
5		17	fluoresc. yellow	EN ISO 20471 Class 1		2-ply: APC 2							

**FIELDS OF APPLICATION:** Petrochemistry, catenary construction, energy suppliers



Bib pocket with inside pen pocket with flap and covered snap fasteners



Comfortable knitted wedges at the waistband

## BIB AND BRACE TROUSERS 7kA

Arc flash class 2

Part number: **01121 59006 000 + COLOUR NO.**

Garment weight: approx. 1,430g

Two-coloured • flame retardant outer fabric with liner, welded seams • adjustable length straps • diamond shaped kidney protection • 1 bib pocket with inside pen pocket with flap and covered snap fasteners • 2 wing pockets • inside back pockets with flap and concealed push buttons • 1 free-hanging folding rule pocket on the right and 1 bellows pocket on the left with inside cell phone pocket – each with flap and covered snap fasteners • entry on both sides with knitted wedge • slit with zipper • hook&loop fastener at the bottom of the trouser leg for easier entry • leg cuff with wetness barrier • flame retardant, segmented FR reflective stripes.



ARC &  
ENERGY



3 | Effective protection against the cold: combine the fleece jacket with our HB-MODarc&vis® parka page 50 and HB-MultiPro FR® page 60.



4 and 5 | Stand-up collar with fastening loop for hooking into parka HB-MultiPro FR® – for additional cold protection



4 |



Can be zipped-in into the parkas

5 |



High-visibility acc. to EN ISO 20471 class 3

#### FLEECE JACKET 4kA

Arc flash class 1

Part number: **07015 19019 000 + COLOUR NO.**

Garment weight: approx. 970 g

#### FLEECE JACKET 7kA

Arc flash class 2

Part number: **07015 19019 001 + COLOUR NO.**

Garment weight: approx. 1,290 g

Single-coloured • stand-up collar with fastening loop for hooking into the outer jacket, to wear high-necked or open • covered front zipper • 2 side pockets with covered zipper • hem adjustable with drawstring • sleeves bottom with knitted cuffs and 2 fastening loops each for hooking into the outer jacket • standards pictograms as direct embroidery on the front above the waistband.

#### FLEECE JACKET 4kA

Arc flash class 1

Part number: **07015 19021 000 17**

Garment weight: approx. 1,010 g

#### FLEECE JACKET 7kA

Arc flash class 2

Part number: **07015 19021 001 17**

Garment weight: approx. 1,300 g

Single-coloured • stand-up collar with fastening tab for attaching to the outer jacket, can be worn high-necked or open • covered zipper • 2 side pockets with covered zip • hem adjustable with drawstring • sleeves with knitted cuffs and 2 fastening tabs each for attaching to the outer jacket • reflective stripes in bodylanguage for perfect all-round visibility • standard pictograms directly embroidered on the front.

3 | **MATERIAL:** 31% POLYESTER, 28% MODACRYLIC, 20% ARAMIDE, 20% VISCOSE, 1% CARBON // With liner

**FABRIC WEIGHT:** approx. 320 g/m<sup>2</sup>

**ATPV VALUE:** 8.8 cal/cm<sup>2</sup> · 368.19 kJ/m<sup>2</sup> · **ELIM:** 8.0 cal/cm<sup>2</sup>

4 | 5 | **MATERIAL:** 48% MODACRYLIC, 32% COTTON, 18% POLYESTER, 2% CARBON // Fleece

**FABRIC WEIGHT:** approx. 360 g/m<sup>2</sup> (2-ply: + approx. 195 g/m<sup>2</sup>)

**4kA: ATPV VALUE:** 10.0 cal/cm<sup>2</sup> · 418.68 kJ/m<sup>2</sup> · **ELIM:** 10.0 cal/cm<sup>2</sup>

**HABETEX**

# NOMEX® Viskose

NOMEX® Viskose combines pleasant wearing comfort with reliable protection. Despite its light weight, the fabric offers high durability and good moisture absorption. Suitable for those who frequently change their posture when working. Finished with generous pockets. The outside knee pockets are made of particularly abrasion-resistant aramid.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/C1/F1	EN ISO 11611 Class 1 A1	EN 1149-5	REGULAR SIZES, IN STOCK
1 , 2 , 3		2030	royal/navy	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/C1/F1	EN ISO 11611 Class 1 A1	EN 1149-5	46-58, 94-110 More sizes available see page 248

**FIELDS OF APPLICATION:** Energy suppliers, public services, plant engineering and construction, electricians



## BLOUSON 4KA

Arc flash class 1

Part number: **01031 10036 005 2030**

Garment weight: approx. 770 g

Two-coloured • front part partially with 2 layers • front, back, sleeve and pocket flaps with FR reflective piping, suitable for industrial laundry • high band collar with strap and hook&loop fastener • 2 front and 2 side pockets – each with flap and covered hook&loop fastener • 1 inner mobile phone pocket on the right and 1 inner pocket on the left, each with hook&loop fastener • waistband with elastic band in side parts • wristband with covered snap fasteners • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.



21 TO WEAR

ARC & ENERGY



2 |



#### TROUSERS 4kA

Arc flash class 1

Part number: 01031 20022 013 2030

Garment weight: approx. 700 g

Two-coloured • waistband with covered button and lateral elastic bands • zip fly • 2 slant pockets • 1 hip pocket and 1 ruler pocket on the right – each with flap • 1 bellow pocket on left leg with flap and hook&loop fastener • knee pockets with hook&loop fastener • FR reflective stripes at legs, suitable for industrial laundry • reflective piping on flaps • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.

#### BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: 01031 50026 014 2030

Garment weight: approx. 840 g

Two-coloured • stretch braces with fixlock buckle • high-cut kidney protection • bib with outer pocket, ball-pen compartment and flap • zip fly • 2 slant pockets • 1 hip pocket and 1 ruler pocket on the right, 1 bellow pocket on left leg – each with flap and covered hook&loop fastener • side access on the left, adjustable via buttons • knee pockets with hook&loop fastener • FR reflective stripes at legs, and reflective piping on bib and flaps, suitable for industrial laundry • no high-visibility protective clothing acc. to EN ISO 20471 and EN 17353.

**MATERIAL:** 50 % VISCOSSE, 49 % ARAMIDE, 1 % CARBON

**FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup>

**ATPV VALUE:** 9.9 cal/cm<sup>2</sup> · 414.4 kJ/m<sup>2</sup>

**HAF VALUE:** 79.0 %

DuPont™  
**NOMEX®**

# NOMEX® Comfort

The NOMEX® Comfort fabric is fibre-inherently flame retardant and thus offers exceptionally high flame protection. With proper care, the protective function is maintained even after many washes. Due to the low material weight, NOMEX® Comfort offers protection and freedom of movement even in very uncomfortable workplaces with a particularly high risk potential.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/C1/F1	EN 1149-5	REGULAR SIZES, IN STOCK
1							46-58, 94-110
2, 3	■	41	royal	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/C1/F1	EN 1149-5	More sizes available see page 248

**FIELDS OF APPLICATION:** Plant engineering and construction, energy suppliers, electric installation, public services, electricians



Front pocket with flap and covered snap fastener

Inner front pocket with flap and snap fasteners

## BLOUSON 4kA

Arc flash class 1

Part number: **01042 10011 001 41**

Garment weight: approx. 545 g

Single-coloured • turn-down collar • closure band with covered snap fasteners on both sides • 1 front pocket on the left with flap and covered snap fastener • 1 inner front pocket on the right with flap and snap fasteners • sleeve hem width adjustable via snap fasteners, covered inwards • added waistband • standard pictograms as FR direct embroidery on front • FR leasing label.

ARC &  
ENERGY



2 |



3 |



#### JACKET 4ka

Arc flash class 1

Part number: **01042 10003 001 41**

Garment weight: approx. 580g

Single-coloured • turn-down collar • closure band with snap fasteners covered on both sides • 1 front pocket on the left with flap and 2 piped pockets with covered pocket mouths, all with covered snap fasteners • 1 inner front pocket on the right with flap and snap fasteners • sleeve hem width adjustable via snap fasteners, covered inwards • standard pictograms as flame retardant embroidery • FR leasing label.

**MATERIAL:** 98 % ARAMIDE, 2 % CARBON

**ATPV VALUE:** 9.0 cal/cm<sup>2</sup> • 376.8 kJ/m<sup>2</sup>

**FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup>

**HAF VALUE:** 71.6 %

#### COAT 4ka

Arc flash class 1

Part number: **01042 40002 002 41**

Garment weight: approx. 720g

Single-coloured • lapel collar • closure band with snap fasteners covered on both sides • 1 front pocket on the left and 2 side pockets, each with flap and covered snap fastener • 1 inner front pocket on the right • sleeve hem width adjustable via covered snap fasteners • FR leasing label.

DuPont™  
**NOMEX®**

# NOMEX® Comfort

The NOMEX® Comfort fabric is fibre-inherently flame retardant and thus offers exceptionally high flame protection. With proper care, the protective function is maintained even after many washes. Due to the low material weight, NOMEX® Comfort offers protection and freedom of movement even in very uncomfortable workplaces with a particularly high risk potential.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2 APC 1	EN ISO 11612 A1/B1/C1/F1	EN 1149-5	REGULAR SIZES, IN STOCK
1   2   3		41	royal				46-58, 94-110 More sizes available see page 248
<b>FIELDS OF APPLICATION:</b> Plant engineering and construction, energy suppliers, electric installation, public services, electricians							



## TROUSERS 4kA

Arc flash class 1

Part number: **01042 20003 006 41**

Garment weight: approx. 510 g

Single-coloured • added waistband with 7 belt loops • 2 side seam pockets • 1 hip pocket on the right with flap and snap fasteners • button fly • 1 ruler pocket on the right.

## BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: **01042 50002 012 41**

Garment weight: approx. 655 g

Single-coloured • stretch braces with clamp-on clips • straightcut kidney protection • 1 outer bib pocket with covered snap fastener • side access on the left with buttoning • button fly • 2 side seam pockets with covered snap fastener • 1 hip pocket on the right with flap and covered snap fastener • 1 ruler pocket on the right.

ARC &  
ENERGY



#### COVERALL 4KA

Arc flash class 1

Part number: **01042 30017 001 41**

Garment weight: approx. 990 g

Single-coloured • turn-down collar, closure band with snap fasteners covered on both sides • 1 front pocket on the left, 1 side pocket on the left and 1 pocket pass-through on the left – each with covered snap fastener • 1 ruler pocket on the right • elastic waistband all round • sleeve hem width adjustable via snap fastener, covered inwards.

**MATERIAL:** 98 % ARAMIDE, 2 % CARBON

**ATPV VALUE:** 9.0 cal/cm<sup>2</sup> • 376.8 kJ/m<sup>2</sup>

**FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup>

**HAF VALUE:** 71.6 %

DuPont™  
**NOMEX®**

Extraordinary protection and comfort, combined with low weight: INOTEC® Arc & Energy offers fibre-inherent flame protection, excellent arc flash protection, antistatic properties plus retro-reflective stripes. The lightweight material and the clever cut provide wearers with an easy freedom of movement. Available as 1-ply or 2-ply version.

ITEM	COLOUR	COLOUR NO.	COLOUR NAME	IEC 61482-2	EN ISO 11612	EN 1149-5	EN 13034	EN ISO 15797	REGULAR SIZES, IN STOCK
1   , 2   , 3		2027	royal/navy	 1-ply: APC 1 2-ply: APC 2* *Front part and sleeves/ front trousers	 A1/B1/C1/F1		 Type 6		46-58, 94-110 More sizes available see page 248

**FIELDS OF APPLICATION:** Plant engineering and construction, energy suppliers, electric installation, public services, electricians





**Matching bib and brace trousers:**  
Zip-in membrane as liner trousers  
for additional moisture protection  
made of 190 g/m<sup>2</sup> light-weight  
material double-layer laminate FR  
Part number: 05065 29004 000 519

2 |



2 and 3 | Front trousers available as 1-ply or 2-ply version  
**Electric Arc Flash protection 4kA or 7kA/4kA**

3 |



2 and 3 | Flame-retardant  
reflective stripes, suitable  
for industrial laundry

#### TROUSERS 4kA

Arc flash class 1

Part number: 01043 20000 004 2027

Garment weight: approx. 650g

#### TROUSERS 7kA/4kA

Arc flash class 2

Part number: 01043 20000 005 2027

Garment weight: approx. 765g

Two-coloured • attached waistband • 2 slant pockets • fly with covered zip • 2 back pockets with flap and snap fasteners • 1 folding rule pocket on the right • 1 leg pocket on the left with bellows pleat at the back, flap and snap fastener • reflective piping on saddle seam of back trousers • 2 reflective stripes at the bottom of the legs • no high-visibility clothing according to EN ISO 20471 and EN 17353.

#### BIB AND BRACE TROUSERS 4kA

Arc flash class 1

Part number: 01043 50100 004 2027

Garment weight: approx. 800g

#### BIB AND BRACE TROUSERS 7kA/4kA

Arc flash class 2

Part number: 01043 50103 000 2027

Garment weight: approx. 920g

Two-coloured • stretch straps with fixlock buckles • high-cut kidney protection • outside bib pocket with flap, reflective piping and covered snap fasteners • 1 side entry on the left, adjustable with buttons • fly with zip • 2 wing pockets • 2 seat pockets and 1 bellows leg pocket on the left, each with flap and snap fasteners • 1 reinforced folding rule pocket on the right with flap and snap fasteners • no high-visibility clothing according to EN ISO 20471 and EN 17353.

**MATERIAL:** 98 % ARAMIDE, 2 % CARBON // FC-Equipment: fluorocarbon finish

**FABRIC WEIGHT:** approx. 260g/m<sup>2</sup> • **7kA/4kA: FABRIC WEIGHT:** approx. 260 g/m<sup>2</sup> + approx. 180 g/m<sup>2</sup>

**4kA: ATPV VALUE:** 9.0 cal/cm<sup>2</sup> • 376.8 kJ/m<sup>2</sup> • **HAF VALUE:** 71.6 %

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