

# Bisley

FLAME RESISTANT



# INTRO

Bisley's stock service flame resistant range provides the wearer with premium protection from OHS hazards such as Arc Flash and Flash Fire found in high risk work environments. We design with the wearer in mind, balancing maximum protection with maximum comfort, functionality and durability. Bisley can provide an inherent garment to meet the specific risk environment the worker will face.

## INDUSTRIES

- **Oil** – Offshore exploration, petrochemical, refining and storage, upstream and downstream operations
- **Gas** – LNG & CSG, Utilities – generation, transportation, maintenance, upstream and downstream operations
- **Electrical** – Utilities – generation, transmission, distribution, maintenance, trade
- **Infrastructure** – Civil and structural works
- **Mining**





**PROTECT YOUR  
GREATEST ASSET...  
YOUR WORKERS**

# FLASH FIRE

## STANDARDS & TEST METHODS

**OIL -** Offshore exploration, petrochemical, refining and storage, upstream and downstream operations

**GAS -** LNG & CSG, Utilities – generation, transportation, maintenance, upstream and downstream operations

### Definition of Flash Fire

A rapidly moving flame front which can be a combustion explosion. Flash fire may occur in an environment where fuel and air become mixed in adequate concentrations to combust. Flash fire has a heat flux of approximately 84 kW/m<sup>2</sup> for relatively short periods of time, typically less than 3 seconds.

### Standard

NFPA 2112: Flame Resistant Garments for Protection of Industrial Personnel against Flash Fire – Applies methodologies from ASTM F1930 in a pass/fail manner.

### Test Method – Flash Fire

ASTM F1930: Standard Test Method for Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin. This is not a pass fail standard, it tells you HOW to conduct the tests, NOT what to test for.

### Fabric Performance

3 flash fire exposures, at 3 seconds each, targeting average body burn less than 50%

#### Tencate Tecasafe® Plus 580

(% body burn [2 cal/cm/sec] @ 3 sec) 23%

#### Tencate Tecasafe® Plus 700

(% body burn [2 cal/cm/sec] @ 3 sec) 15%

## TERMS & DEFINITIONS

**% Body Burn:** Measurement under NFPA2112 determining the extent of total body burn when exposed to 3 sec flash fire set to heat flux of 84 kW/m<sup>2</sup>.

## FREQUENTLY ASKED QUESTIONS

### What is Inherent FR?

Flame Resistance is naturally occurring in the properties of the fiber and won't wash or wear out

### Who needs FR clothing?

Anyone who works with a risk of ignition in the workplace. For instance anyone who works in a foundry or refinery environment, dealing with flame cutting and welding, firefighters, any one in an aluminum casing or petrochemical industry, as well as electrical utility and the chemical, oil, and mining industries.

### How do normal fabrics react to ignition?

Normal fabrics and garments will burn away from the point of ignition with an increasing rate of flame spread and continue to burn after removal of the ignition source. Normal fabrics will continue to burn until they are extinguished or all flammable material is consumed.

### How do FR fabrics react to ignition?

Flame-resistant (FR) fabrics and garments are intended to resist ignition, prevent the spread of flames away from the immediate area of high heat impingement, and to self-extinguish almost immediately upon removal of the ignition source.

### Do FR garments prevent burn injury?

FR garments will not provide significant protection from burn injury in the immediate area of contact with the ignition source.

However, flame-resistant garments do provide protection against clothing ignition and sustained flame spread. Remember FR garments are NOT fire proof.

### Is 100% untreated cotton fabric “flame resistant”?

No, There is a common perception that untreated 100% cotton fabric is somehow “flame-resistant”. This is simply not true. While heavyweight untreated 100% cotton fabrics may be more difficult to ignite, they can and will ignite and continue to burn if exposed to an ignition source.



# ARC FLASH

## STANDARDS & TEST METHODS

**ELECTRICAL** - Utilities – generation, transmission, distribution, maintenance, trade

### Definition of Arc Flash

An arc flash is the light and heat produced from an electric arc supplied with sufficient electrical energy to cause substantial damage or harm, fire or injury.

### Standard

NFPA 70E: Electrical Safety in the Workplace

### Test Method – Arc Flash

ASTM F1959 M-06ae1: Test method for determining the Arc Rating of Materials in Clothing

### Fabric Performance

ASTM F1506: Flame resistant textile materials for wearing apparel for use by electric workers exposed to momentary electric arc and related thermal hazards

There is no current Australian Standard in this area, which is why we refer to US standards

**Tencate Tecasafe® Plus 580 – HRC 1 with ATPV of 6.5**

**Tencate Tecasafe® Plus 700 – HRC 2 with ATPV of 9**

## TERMS & DEFINITIONS

**HRC - Hazard Risk Category:** The HRC level is determined by the minimum amount of calories per cm<sup>2</sup> (ATPV or Cal/cm<sup>2</sup>) a treated garment must pass through with a 50% probability of a 2nd or 3rd degree burn occurring.

### ATPV – Arc Thermal Protection Value:

ATPV refers to the minimum incident energy (in calories per cubic centimetre) that protective equipment can be exposed to and prevent the onset of a 2nd degree burn. Ratings are based upon the total weight of the fabric.

## FREQUENTLY ASKED QUESTIONS

### What is Hazard Risk Category Level?

Hazard Risk Category is the level of arc flash protection clothing you must wear to protect against a minimum level of incident energy measured in calories per centimetre squared. Meaning, electrical equipment, depending upon the energy delivering capability, under fault conditions can

cause an explosion, or arc fault of a certain level, again measured in calories per centimetre squared. That explosion can deliver a certain amount of heat to a certain distance. Each level, 0-4, is rated at a certain amount of flame resistance, again measured in cal/cm<sup>2</sup>. Each level is considered a category.

### What is meant by the term FR (Flame Resistant)?

It refers to the ability of a material to self-extinguish upon the removal of an ignition source. FR is a short name for Flame Resistant Protective Apparel. Remember Flame Resistant Clothing is NOT fire proof.

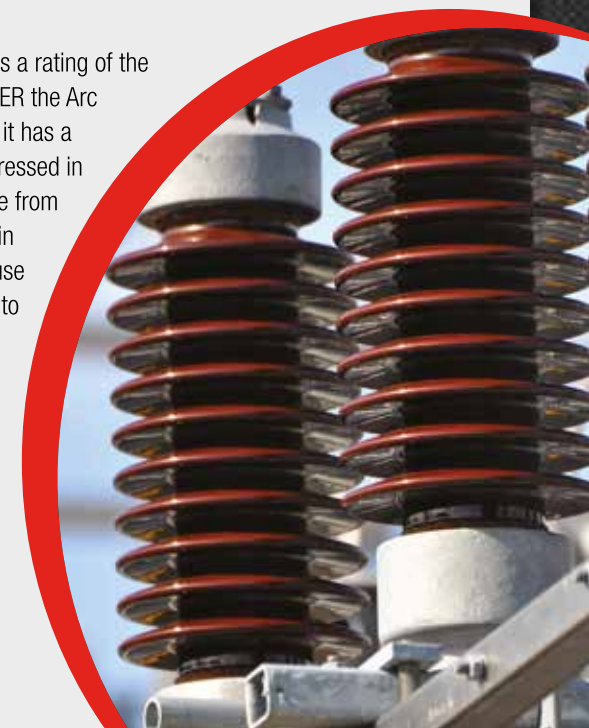
### What is an ARC rating?

A value of the energy necessary to pass through any given fabric to cause with 50% probability a second or third degree burn. This value is measured in calories/cm<sup>2</sup>. The necessary Arc Rating for an article of clothing is determined by a Hazard/Risk Assessment and the resulting HRC. Usually measured in terms of ATPV or EBT. Simply put the ARC rating determines the protective characteristics of the fabric. The higher the ARC rating value the greater the protection. When the product is sold to protect workers from arcing faults, clothing manufacturers are required to indicate the ARC rating.

### What is ATPV? EBT?

ATPV stands for Arc Thermal Protective Value, which is a rating of the Arc burn protection capability of a garment. The HIGHER the Arc Rating, the more protection a garment gives because it has a higher resistance to catching on fire. The ATPV is expressed in calories per cm<sup>2</sup> and represents the thermal exposure from an electric arc that will create a second-degree burn in human tissue. If the ATPV cannot be calculated because the fabric breaks open, the energy causing the fabric to break open is expressed as the Energy of Breakopen Threshold (EBT). The higher the value the greater the protection.

Hazard Risk Category	Min Arc Rating (ATPV)
HRC 1	4
HRC 2	8
HRC 3	25
HRC 4	40





# Tecasafe® Plus

## About TenCate

TenCate Protective Fabrics has been on the cutting edge of textile innovation since its founding in 1925. From the very beginning, TenCate's competitive superiority in facilities, resources, energy and breakthrough engineering has produced a track record of landmark advances in proven technology. Over the years, TenCate has been the driving force for change and innovation in industries filled with professionals who demand the highest standards for safety and protection.

As a business group of Royal TenCate, headquartered in Almelo, the Netherlands TenCate Protective Fabrics can tap a well of textile technological knowledge that reaches back over 300 years and which remains virtually unmatched in a worldwide market. TenCate Protective Fabrics holds over two dozen patents and has a long history of cutting-edge achievement as a fully vertical fabric manufacturer with product lines developed, engineered and made in America.

**Inherently flame resistant** – FR properties are built in, and won't wash or wear out. Exceeds NFPA 70E and NFPA 2112 performance standards.

**Comfortable to wear** – Soft and breathable. Superior moisture management because of special cellulosic fiber content.

**Exceptional durability** – Outstanding abrasion resistance and better strength retention after multiple commercial washes.

**Outstanding laundered appearance** – Fabric retains its like-new look and maintains permanent pressed appearance better than other protective fabrics.

**Excellent value** – Long life cycle and competitive price means lowest cost.

**Complies with industry specific Australian & International standards.**



# HRC 1

## FABRIC

- **TenCate Tecasafe® Plus 580**
- TenCate FR Mesh
- Arc Thermal Protection Value ATPV 6.5
- Hazard Risk Category HRC 1
- FR Modacrylic / Lyocell / Aramid
- 197gsm

## PRODUCT FEATURES

- Action back panel ventilation, 3 openings
- Underarm ventilation
- Two piece structured collar
- Two way radio loop or gas monitor loop on both sides
- Left pocket with pen division
- Twin Bisley signature single mitred chest pockets with plastic press snap flap closure
- Open front with button closure (BS8097T and BS8098T only)
- Open front with concealed press snap closure (BL8098T only)
- Sto-nor 9801 FR reflective taped hoop pattern around body and sleeve
- Full gusset sleeve cuff with plastic press snap closure
- Contrast graphite top stitching all over



BS8097T  
**TAPED HI VIS  
LIGHTWEIGHT  
VENTED SHIRT**

**Colours:** Orange (BVE0)  
**Sizes:** S – 6XL



BS8098T  
**TAPED TWO TONE  
HI VIS LIGHTWEIGHT  
VENTED SHIRT**

**Colours:** Yellow/Navy (TT01)  
Orange/Navy (TT02)  
**Sizes:** S – 6XL



BL8098T  
**WOMEN'S TAPED TWO  
TONE HI VIS LIGHTWEIGHT  
VENTED SHIRT**

**Colours:** Yellow/Navy (TT01)  
Orange/Navy (TT02)  
**Sizes:** 8 – 24

# HRC 1

## FABRIC

- **TenCate Tecasafe® Plus 580**
- Arc Thermal Protection Value ATPV 6.5
- Hazard Risk Category HRC 1
- FR Modacrylic / Lyocell / Aramid
- 197gsm

## PRODUCT FEATURES

- Two piece structured collar
- Two way radio loop or gas monitor loop on both sides
- Left pocket with pen division
- Twin Bisley signature single mitred chest pockets with plastic press snap flap closure
- Open front with concealed press snap closure
- Sto-nor 9801 FR reflective taped hoop pattern around body and sleeve
- Full gusset sleeve cuff with plastic press snap closure
- Contrast graphite top stitching all over



BS8198T

### TAPED TWO TONE HI VIS NON VENTED OPEN FRONT SHIRT

**Colours:** Yellow/Navy (TT01)  
Orange/Navy (TT02)

**Sizes:** S – 6XL



BS8197T

### TAPED HI VIS NON VENTED SHIRT

**Colours:** Orange (BVE0)

**Sizes:** S – 6XL



# HRC 1

## FABRIC

- **TenCate Tecasafe® Plus 580**
- Arc Thermal Protection Value ATPV 6.5
- Hazard Risk Category HRC 1
- FR Modacrylic / Lyocell / Aramid
- 197gsm

## PRODUCT FEATURES

- Contoured shape sleeved, leg and knee area
- Stand collar
- Contrast graphite top stitching all over
- Concealed press stud front closure
- Ten multi-functional pockets including LHS cargo pocket with hidden ruler pocket
- Two way radio loop or gas monitor loop on both sides
- Full gusset sleeve cuff with plastic press snap closure
- Angled side pockets and side opening to body
- Sto-nor 9801 FR reflective taped hoop pattern around body, sleeve and leg
- Diamond shape crotch gusset



BC8185T

### TAPED HI VIS NON VENTED ENGINEERED COVERALL

**Colours:** Orange (BVE0)

**Sizes:** 77 – 117R  
92 – 132S



BC8186T

### TAPED HI VIS NON VENTED ENGINEERED COVERALL

**Colours:** Orange/Navy (TT02)

**Sizes:** 77 – 117R  
92 – 132S

# HRC 2

## FABRIC

- **TenCate Tecasafe® Plus 700**
- TenCate FR Mesh
- Arc Thermal Protection Value ATPV 9
- Hazard Risk Category HRC 2
- FR Modacrylic / Lyocell / Aramid
- 238gsm

## PRODUCT FEATURES

- Action back panel ventilation, 3 openings
- Underarm ventilation
- Two piece structured collar
- Two way radio loop or gas monitor loop on both sides
- Left pocket with pen division
- Twin Bisley signature single mitred chest pockets with plastic press snap flap closure
- Open front with button closure
- Sto-nor 9801 FR reflective taped hoop pattern around body and sleeve
- Full gusset sleeve cuff with plastic press snap closure
- Contrast graphite top stitching all over



BS8081T

### TAPED HI VIS VENTED SHIRT

**Colours:** Orange (BVEO)

**Sizes:** S – 6XL



BS8082T

### TAPED TWO TONE HI VIS VENTED SHIRT

**Colours:** Yellow/Navy (TT01)  
Orange/Navy (TT02)

**Sizes:** S – 6XL

# HRC 2

## FABRIC

- **TenCate Tecasafe® Plus 700**
- TenCate FR Mesh
- Arc Thermal Protection Value ATPV 9
- Hazard Risk Category HRC 2
- FR Modacrylic / Lyocell / Aramid
- 238gsm

## PRODUCT FEATURES

- Action back panel ventilation, 3 openings
- Underarm ventilation
- Two piece structured collar
- Two way radio loop or gas monitor loop on both sides
- Left pocket with pen division
- Twin Bisley signature single mitred chest pockets with plastic press snap flap closure
- Open front with concealed press snap closure
- Sto-nor 9801 FR reflective taped hoop pattern around body and sleeve
- Full gusset sleeve cuff with plastic press snap closure
- Contrast graphite top stitching all over



BL8082T

## WOMEN'S TAPED TWO TONE HI VIS OPEN FRONT VENTED SHIRT

**Colours:** Yellow/Navy (TT01)  
Orange/Navy (TT02)

**Sizes:** 8 – 24

# HRC 2

## FABRIC

- **TenCate Tecasafe® Plus 700**
- TenCate FR Mesh
- Arc Thermal Protection Value ATPV 9
- Hazard Risk Category HRC 2
- FR Modacrylic / Lyocell / Aramid
- 238gsm

## PRODUCT FEATURES

- Curved shaped waistband
- Easy access ten degree angled front pockets
- YKK heavy duty zipper
- LHS cargo patch pockets covered with flap and hidden ruler pocket
- Front knee darts with contoured back knee seam line
- Back yoke ventilation
- Double back hip welt pocket covered with flap
- Contrast graphite top stitching all over
- Mobile phone welt pocket
- Diamond shape crotch gusset

## ADDITIONAL FEATURES

### BPC8092T

- Sto-nor 9801 FR reflective tape around lower leg



BPC8092

## ENGINEERED VENTED CARGO PANT

**Colours:** Navy (BPCT)

**Sizes:** 77 – 112R  
87 – 132S



BPC8092T

## TAPED ENGINEERED VENTED CARGO PANT

**Colours:** Navy (BPCT)

**Sizes:** 77 – 112R  
87 – 132S

# HRC 2

## FABRIC

- **TenCate Tecasafe® Plus 700**
- Arc Thermal Protection Value ATPV 9
- Hazard Risk Category HRC 2
- FR Modacrylic / Lyocell / Aramid
- 238gsm

## PRODUCT FEATURES

- Sto-nor 9801 FR reflective taped hoop pattern
- Angled front pockets
- YKK heavy duty zipper
- Contrast graphite top stitching all over
- Wider and stronger belt loops
- Twin needle seam stitching in FR thread

## ADDITIONAL FEATURES

### BPL8092T

- Curved shaped waistband
- LHS cargo patch pockets covered with flap
- RHS mobile phone pocket
- Back hip non spill welt pockets with touch tape

### BP8090T

- Single back patch pocket



BPL8092T

## WOMEN'S TAPED FR ENGINEERED CARGO PANT

**Colours:** Navy (BPCT)

**Sizes:** 6 – 24



BP8090T

## TAPED ENGINEERED FR PANT

**Colours:** Navy (BPCT)

**Sizes:** 77 – 112R  
87 – 132S

# HRC 2

## FABRIC

- **TenCate Tecasafe® Plus 700**
- TenCate FR Mesh
- Arc Thermal Protection Value ATPV 9
- Hazard Risk Category HRC 2
- FR Modacrylic / Lyocell / Aramid
- 238gsm

## PRODUCT FEATURES

- Contoured shaped sleeve, leg and knee area
- Stand collar
- Contrast graphite top stitching all over
- Concealed press snap front closure
- Ten multi-functional pockets including LHS cargo pocket with hidden ruler pocket
- Two way radio loop or gas monitor loop on both sides
- Full gusset sleeve cuff with plastic press snap closure
- Angled side pockets and side opening to body
- Sto-nor 9801 FR reflective taped hoop pattern around body, sleeve and leg
- Underarm and action back panel ventilation, three openings
- Diamond shape crotch gusset



BC8085T

## TAPED HI VIS ENGINEERED VENTED COVERALL

**Colours:** Orange (BVE0)

**Sizes:** 77-117R  
92 – 132S

BC8086T

## TAPED TWO TONE HI VIS ENGINEERED VENTED COVERALL

**Colours:** Orange/Navy (TT02)

**Sizes:** 77-117R  
92 – 132S

# FUNCTIONAL FEATURES

Inherently flame resistant // Comfortable to wear  
Exceptional durability // Outstanding laundered appearance  
Complies with NFPA 2112, NFPA 70E, ISO 11612



# MADE TO ORDER

Bisley provides a large range of FR Solutions that are stock supported in our Warehouses and we are equally capable of providing custom made solutions for your business through our close working relationship with TenCate.

Bisley Workwear's design services can work with you from concept through to an innovative and professionally delivered product solution with all products made to the highest quality and designed to meet all relevant standards. Bisley is committed to providing a comprehensive end to end product solution with a focus on meeting cost targets and delivering on time.

These solutions range from providing specially made garments in any of the 9 basic Tecasafe fabric colours available through Tencate, in both the HRC 1 Tecasafe 580 fabric and the HRC 2 Tecasafe 700 fabric through to completely customised colours^ and designs. Depending on the design of the garment and the colour and weight of the fabric, minimum quantities can be as low as 300 units and lead times as quick as 6 weeks for production plus transit time\*.

For personalised garments, Bisley can also provide a comprehensive range of solutions from embroidery using FR threads to heat transfer logos that are also Fire Resistant.



## FR HEAT TRANSFER

- FR transfers are flame retardant, durable transfers with FR certification
- Certified to EN ISO 11612:2008 after washing at EN ISO 15797:2002 and testing to EN ISO 15025:2000
- Ideal for use on FR garments as they will not compromise the FR qualities of the garment
- Heavy duty and very hard wearing, able to withstand the rigours of laundering and dry cleaning
- Suitable for use on all FR fabrics (eg. Tecasafe plus, Indura Ultrasoft)
- Logos can be developed to match your corporate colours



## FR EMBROIDERY

- FR embroidery is flame and heat resistant and uses Madeira brand "Fire Fighter" embroidery thread
- Fire Fighter is made from 100% aramid thread and contains Nomex branded fibers from Du Pont
- Certified to Oeke-Teks and complies with ISO standards ISO-6941 / ISO 15025.
- For use in all sectors with specific safety requirements (eg. Aeronautics, Fire Brigade)
- 24 colour options offered in Madeira embroidery





# Bisley

## FLAME RESISTANT



(Light Blue)



(Khaki)



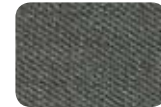
(Royal Blue)



(Red)



(Navy)



(Grey)



(Yellow)



(Orange)



(Hi Vis Yellow)

Fabric Held In Stock

X

X

X

MTO Fabric

X

X

X

X

X

X

FR Mesh Held in Stock

X

X

\* Transit time will depend on air-freight vs sea-freight cost options provided at the time of quoting.

^ Whilst Custom Tecasafe colours can be developed upon request, they do have higher minimums and longer lead times, but regardless of your needs, contact your Bisley Sales Representative and arrange a meeting to discuss your requirements.

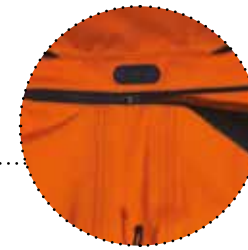
# HRC 3

## FABRIC

- **Hazard Risk Category HRC 3**
- MO-A280
- Arc Thermal Protection Value ATPV 36
- 55% FR Modacrylic | 44% Cotton | 1% Anti- static
- 280 gsm

## PRODUCT FEATURES

- Sto-nor 9801 FR reflective taped hoop pattern around body & sleeve
- Fully lined in cotton FR lining
- Fully seam sealed for water resistance
- Detachable zip off hood
- Twin chest patch pocket with extended front yoke flap and touch tape closure
- Twin waist pockets with flap and touch tape closure
- Storm flap at centre front
- Two way radio loop or gas monitor loop on both sides
- Internal rib sleeve cuff
- Adjustable sleeve tab with touch tape closure



Detachable contoured shaped hood



Internal Inner Sleeve Cuff Rib



Waist Seam Welt Pockets

### BJ8100T TAPED TWO TONE HI VIS FR JACKET

**Colours:** Orange/Navy (TT02)

**Sizes:** S – 6XL

Two way radio loop or gas monitor loop on both sides

External storm flap with internal centre front facing for greater protection

Detachable contoured shape zip off hood

Sto-nor 9801 FR reflective tape hoop pattern around body and sleeve

Extended front yoke flap

Action back for extra movement and comfort

Twin single mitred chest patch pocket

Waist seam welt pocket with flap and touch tape closure

Adjustable sleeve cuff with touch tape tab. Internal inner cuff rib





## Are you wearing the right clothing?

**Proven Protection:** On a weight-for-weight basis, the INDURA® Ultra Soft® blend of 88% cotton /12% high tenacity nylon produces a 15-20% better ATPV rating than the equivalent weight 100% cotton, AND its flame resistant as well, minimising the possibility of large percentage, severe body burns.

**Durability:** INDURA® Ultra Soft® offers 5-10 times greater abrasion resistance over that of the equivalent weight cotton drill (non FR). INDURA® Ultra Soft® fabrics have consistently shown between 50 - 100% extended wear life over the pure cotton FR garments.

**Comfort:** INDURA® Ultra Soft® is cotton rich, naturally comfortable against the skin and absorbs moisture. It is warm in winter and cool in summer. Added to that is the ultra soft finish technology that makes the garments comfortable to wear against the skin, straight out of the bag!

**Wash Stability:** Unlike standard cotton drills the INDURA® Ultra Soft® is double sanforised to remove as much shrinkage as possible allowing the garments to hold their size & shape for their useful life.

**Peace of Mind:** These garments are safety equipment and they represent a substantial investment in employee safety & comfort. INDURA® Ultra Soft® is a proven performer in the world market for over 10 years and in Australia for over 8 years. The INDURA® Ultra Soft® brand is your guarantee that these pieces of safety equipment will do their job every day of their working life.

**Oeko-Tex 100 Class II Certified:** The INDURA® Ultra Soft® range of fabrics have all been certified by the stringent criteria applied by the European Oeko-Tex organisation as perfectly safe to wear against the skin, straight out of the bag.

# INDURA

## FABRIC

### BS8002

#### • HRC 2

- Indura® Ultra Soft® Flame Resistant Fabric (301)
- 88% Cotton / 12% High Tenacity Nylon 237gsm
- Arc Thermal Protection Value ATPV 9

### BS8004

#### • HRC 1

- Indura® Ultra Soft® Flame Resistant Fabric (341)
- 88% Cotton / 12% High Tenacity Nylon 186gsm
- Arc Thermal Protection Value ATPV 6.5

## PRODUCT FEATURES

- 3M 8935 Reflective taped hoop pattern around body
- Full gusset sleeve cuff
- Left pocket with pen division
- Reinforced, flame resistant components and trims
- 2 piece contrast coloured structured collar

## ADDITIONAL FEATURES

### BS8002

- Half closed button front placket
- Two squared chest pockets with button down flaps
- Two piece contrast coloured structured collar

### BS8004

- Two rounded chest pockets with button down flaps
- Two piece structured collar
- Solid colour high visibility protection



BS8002

## 3M TAPED CLOSED FRONT HI VIS SHIRT

**Colours:** Yellow/Navy (TT04)  
Orange/Navy (TT05)

**Sizes:** S – 6XL

BS8004

## 3M TAPED HI VIS LIGHTWEIGHT SHIRT

**Colours:** Orange (BVE0)

**Sizes:** S – 6XL

# INDURA

## FABRIC

- **HRC 2**
- Indura® Ultra Soft® Flame Resistant Fabric (301)
- 88% Cotton / 12% High Tenacity Nylon 237gsm
- Arc Thermal Protection Value ATPV 9

## PRODUCT FEATURES

- Mobile phone pocket on right side
- Seven reinforced belt loops
- Single front pleats
- Back patch pockets
- Coin pocket in waistband
- YKK branded zip front fly

## ADDITIONAL FEATURES

### BP8000

- 3M 8935 Reflective taped hoop pattern around legs



BP8000

### 3M TAPED ORIGINAL DRILL WORK PANT

**Colours:** Navy (BPCT)

**Sizes:** 77-112R  
87-132S  
74-94L



BP8010

### ORIGINAL DRILL WORK PANT

**Colours:** Navy (BPCT)

**Sizes:** 77-112R  
87-132S  
74-94L

# INDURA

## FABRIC

- **HRC 2**
- Indura® Ultra Soft® Flame Resistant Fabric (301)
- 88% Cotton / 12% High Tenacity Nylon 237gsm
- Arc Thermal Protection Value ATPV 9

## PRODUCT FEATURES

- 3M 8935 reflective taped hoop pattern around body
- Plastic press snap front and sleeve cuff fastening
- Front right chest pocket with zippered opening
- Left front chest patch pocket with tool/knife division
- Angled side pockets and side openings to body
- Back utility patch pocket and ruler/phone pocket

BC8001

## 3M TAPED HI VIS COVERALL

**Colours:** Orange/Navy (TT05)  
Orange (BVE0)

**Sizes:** 77-112R  
87-132S  
74-94L



# Bisley

## FLAME RESISTANT

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