PRYSMIAN

PRYSMIAN FP
THE ULTIMATE FIRE PERFORMANCE RANGE

THE PRYSMIAN FP RANGE, A GREAT INVESTMENT IN ANY BUILDING

Cardiff Stadium, Cardiff

O2 Arena, London

The London Underground

FIRE TEST LABORATORY

For many years based onsite at our Special Cables Factory near Eastleigh, Prysmian's staff of specialist engineers at the Fire Test Lab conduct hundreds of fire tests every year. The lab proves our existing products meet or exceed current fire tests and is an essential tool to develop the new cables and accessories needed to satisfy the increasing demands of clients, regulators, designers and installers.

INSUDITE™

Unique to Prysmian and the FP range, FP 200 Gold® and FP PLUS™ incorporate the hard skin fire resistant insulation, Insudite™. It's highly durable, damage resistant and unlike the soft-skin silicone cables Insudite™ protects the cores from the nicks, abrasions and impacts commonly experienced during installation and termination. The hard-skin Insudite™ also eliminates the need for ferrules or special sleeving to protect the insulation when terminating into tight enclosures or junction boxes.

FP FIREFIX™

Clip with confidence and speed - Prysmian's unique patented stainless steel clip for FP 200 Gold and FP PLUS is the fire resistant solution in the event of fire. FIREFIX fitted using the SPIT Pulsa gas nailing tool saves time and now available in single or double clip version it satisfies the whole installation.

DEDICATED FP CABLES WEB SITE

Simply visit **www.fpcables.co.uk** for all the technical and background information you need on Prysmian's product range and industry issues. Product data sheets and guides to standards such as BS5839 can be viewed and downloaded.

Wimbledon, London

THE PRYSMIAN **FP** RANGE

ULTIMATE PERFORMANCE UNDER EXTREME CONDITIONS

When it matters most, you can be sure of a company that has an unrivalled reputation for high quality, cost effective fire resistant cables and accessories. Our customers have already demonstrated a high level of confidence in the Prysmian FP range, built on the high standards of performance and quality associated with FP cables over more than 30 years.

Through its significant investment in product and standards development, Prysmian offers an extensive range of independently approved fire protection cabling and matching accessories giving the right product for every application. Widely available on the market, the Prysmian FP range is easy to install, durable, reliable, cost effective and backed by the market leader in fire performance cables.

We are confident that the FP brand represents the highest possible quality standards and most importantly, the FP range meets all the necessary installation and performance criteria necessary to give the peace of mind that they will give the protection needed in the most extreme conditions.

PRYSMIAN FP100®, FP200 GOLD®, FP PLUS™, FP400® AND FP600S®

All Prysmian cables and accessories are manufactured under the Prysmian Quality Management System which is certified to ISO 9001 Individually designed to meet the exacting performance requirements for different installations

> Fire resistant
> Low smoke and corrosive gas emission
> Reduced flame propagation
> BASEC and LPCB approved
> Damage and abrasion resistant
> Easy and low cost installation
> Full range for various applications and installation needs
> Matching FP accessories

FIRE RESISTANT CABLES

FIRE RESISTANT CONDUIT WIRE WHEN INSTALLED IN METAL CONDUITS AND TRUNKING

FP100® is an excellent choice for upgrading existing conduit based emergency lighting and fire alarm systems to current specifications

IDEAL IN STEEL CONDUIT

> Ideal for rewiring existing conduit and upgrade to a fire resistant system or where the added mechanical protection or flexibility of a conduit or trunking system is required.
> May be used for emergency lighting, fire alarm systems and for other essential services.
> Tough robust insulation prevents damage during installation.
> LPCB approved: Visit www.redbooklive.com for current certificates
> Easy to install
> Fire resistant
> Flame retardant
> Afumex low smoke and corrosive gas emissions LSOH®
> Abrasion and damage resistant
> Moisture resistant
> Surge resistant
> Range of core colours

HARD SKIN STANDARD FIRE RESISTANT CABLE INCORPORATING PRYSMIAN UNIQUE INSUDITE™

The right choice for fire alarms, voice evacuation and emergency lighting with minimum installed cost

THE DRESSABLE STANDARD OPTION

> The classic choice offering the most cost-effective balance of features for surface clipped fire alarm and emergency lighting installations complying with BS 5839 and BS 5266.
> The unique damage resistant Insudite™ insulation prevents termination and third party damage eliminating expensive rework.
> The original alternative to MICC with unmatched combination of rigidity, ease of bending and stripping.
> Superb voice and data transmission characteristics.
> BASEC approved: Visit www.basec.org.uk for current certificates
> LPCB approved: Visit www.redbooklive.com for current certificates
> Fire resistant
> Reduced flame propagation
> Fully screened
> Afumex low smoke and corrosive gas emissions LSOH®
> Moisture resistant
> Surge resistant
> Easy termination
> Fully screened
> No segregation required

HARD SKIN "ENHANCE RESISTANT CABLE V INSUDITE™

The right choice for emer alarms and emergency serv

THE DRESSABLE EN

> The right choice combini installation characteristic temperature, longer, roug
> Enhanced Insudite helps cuts and scratches often installation but also third second fix.
> BASEC approved: Visit w for current certificates
> LPCB approved: Visit ww for current certificates
> Fire resistant
> Reduced flame propagat
> Fully screened
> Afumex low smoke and co
> Moisture resistant
> Surge resistant
> Easy termination
> Fully screened
> No segregation required
> Excellent data capability

WHY PRYSMIAN FP CABLES

INNOVATOR & LEADER
> Cable / component warranties
> We Invest in new technology and product development
> Environmental & ethical policies and procedures
> Customer feedback system and continual analysis

PRODUCT RANGE
> Cable & cable componen
> Strong UK manufacturing
> RoHS / lead free product
> On site fire test facilities

...NCED" FIRE ...WITH ENHANCED

...gency communication, fire ...ice control cable

...NHANCED OPTION

...ng the dressable, easy
...s of FP with the higher
...gher enhanced fire test.
...s eliminate not only nicks,
...experienced during
...party damage after first or

...www.basec.org.uk

...w.redbooklive.com

...tion

...rrosive gas emissions LSOH®

FIRE RESISTANT ARMOURED POWER CABLE FOR ESSENTIAL SERVICES

The right choice to power emergency services in general buildings

PROTECTION FOR EMERGENCY POWER

> Easy to install and terminate, gives substantial savings compared with MICC.
> Wide range of sizes available in long lengths.
> Robust armoured cable for added protection against damage, ideal for industrial applications.
> The general fire resistant power cable to protect emergency plant:
>   > sprinkler pumps
>   > smoke extractors and fire dampers
> FP400 has been the cable of choice for many projects and applications where previously only MICC had been approved for use.
> BASEC approved: Visit www.basec.org.uk for current certificates
> LPCB approved: Visit www.redbooklive.com for current certificates
> Fire resistant
> No special installation skills or tools
> Reduced flame propagation
> Low smoke and corrosive gas emissions LSOH®
> Highly damage resistant
> Moisture resistant
> Surge resistant

THE ULTIMATE FIRE RESISTANT ARMOURED POWER CABLE

The right choice to power emergency services in the largest, most complex buildings

ULTIMATE PROTECTION FOR ELECTRICAL EMERGENCY SYSTEMS

> Install, terminate and gland just like an armoured cable: No special tools required.
> The last word in fire, reduced flame propagation, low smoke and zero halogen performance.
> The best solution for large and complex buildings to power:
>   > fire fighting lifts and lift-shaft lighting
>   > fire suppression including water mist, sprinkler pumps and wet riser pumps
> BASEC approved: Visit www.basec.org.uk for current certificates
> LPCB approved: Visit www.redbooklive.com for current certificates
> LUL approved
> Fire resistant
> No special installation skills or tools
> Reduced flame propagation
> Low smoke and corrosive gas emissions LSOH®
> Highly damage resistant
> Moisture resistant
> Surge resistant

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PRODUCT BENEFITS

> Third party approvals
> Cable designed for easy handling but robust performance
> Out Product Quality and ease of installation are best in class
> Full range of approvals including quality system, product and ad-hoc

MARKETING SUPPORT

> Dedicated FP web portal - www.fpcables.co.uk
> Founder member of Voltimum - www.voltimum.co.uk
> Full data sheets available plus Technical Hotline (023 8029 5222)
> Technical Seminars can be provided on request

STANDARDS AND APPROVALS

	MANUFACTURING STANDARDS	APPLICATION STANDARDS	RESISTANCE TO FIRE STANDARDS	REACTION TO FIRE STANDARDS	APPROVALS*
FP600S	BS 7846:2009	BS 8519 Category 1/2/3 HTM 05-3 PART E ESCAPE BED LIFTS	BS 8491:2008 120 minutes	Flame Retardant: BS EN 60332-1-2:2004 Reduced flame propagation: BS EN 60332-3-24:2009 Acid Gas Emission: BS EN 50267-2-1:1999 Low Smoke Emission: BS EN 61034-2:2005	BASEC LPCB
FP200GOLD	BS 7629:2008	BS 5839-1:2002 and A2:2008 : FIRE ALARM STANDARD APPLICATION BS 5839-8:2008 PA AND VOICE ALARM BS 5266 -1:2005 EMERGENCY LIGHTING	BS EN50200:2006 FLAME & SHOCK/ PH30,PH60,PH120 BS EN 50200 ANNEX E FLAME SHOCK & WATER SPRAY - 30 MINUTES	Flame Retardant: BS EN60332-1-2:2004 Reduced flame propagation: BS EN 60332-3-24:2009 Acid Gas Emission: BS EN 50267-2-1:1999 Low Smoke Emission: BS EN 61034-2:2005	BASEC LPCB
FPPLUS	BS 7629:2008	BS 5839-1:2002 and A2:2008 : ENHANCED APPLICATION BS 5839-8:2008 PA AND VOICE ALARM BS 5839-9:2003 FIRE TELEPHONE HTM 05-3 PART B FIRE DETECTION AND ALARM SYSTEMS BS 5266 -1:2005 EMERGENCY LIGHTING	BS EN50200:2006 FLAME & SHOCK PH120 BS 8434-2:2003+A2:2009 FLAME SHOCK & WATER SPRAY - 120 MINUTES	Flame Retardant: BS EN60332-1-2:2004 Reduced flame propagation: BS EN 60332-3-24:2009 Acid Gas Emission: BS EN 50267-2-1:1999 Low Smoke Emission: BS EN 61034-2:2005	BASEC LPCB
FP100	-	-	BS EN50200:2006 FLAME & SHOCK PH120 WHEN TESTED IN STEEL CONDUIT	Flame Retardant: BS EN60332-1-2:2004 Acid Gas Emission: BS EN 50267-2-3:1999 Low Smoke Emission: BS EN 61034-2:2005	LPCB
FP400	BS7846: 2009	BS 5839-1:2002 CW A2:2008 : FIRE ALARM STANDARD APPLICATION BS 5266 -1:2005 EMERGENCY LIGHTING	BS EN50200:2006 FLAME & SHOCK PH60 BS EN 50200 + ANNEX E FLAME SHOCK & WATER SPRAY - 30 MINUTES	Flame Retardant: BS EN60332-1-2:2004 Reduced flame propagation: BS EN 60332-3-24:2009 Acid Gas Emission: BS EN 50267-2-1:1999 Low Smoke Emission: BS EN 61034-2:2005	BASEC LPCB

*Refer to www.fpcables.co.uk for full details of approval certificates

PRYSMIAN insudite™ INSULATION

INSUDITE™

TEST CRITERIA	STANDARD SILICONE	FP200 GOLD & FP PLUS INSUDITE	INSUDITE IMPROVEMENT
IMPACT (Impact resistance to BS2G230)	5N at 250mm	5N at 500mm	200%
ABRASION (At ambient BS2G230)	75 cycles to failure	4750 cycles to failure	6300%
PUNCTURE	7N	23N	300%
SAW THROUGH (Modified BS2G230)	1 cycle at 2.5N	5 cycles at 2.5N	500%
CUT THROUGH – BLUNT OBJECT	18N	62N	300%
CUT THROUGH – SHARP OBJECT	7N	22N	300%

Arrows show direction of force. Full details of test conditions available on request.

COMPONENTS

	CLIPS	FIREFIX	CLAW CLEAT (Single hole - stackable)	2 BOLT CLEAT (Stackable)	TRADITIONAL FP GLAND	FP EASY FIT GLAND	BRASS GLAND
FP600S	-	-	BICON 370CG	BICON 370CG	-	-	BICON LSF-CW
FP200 GOLD	AP Clips	FP FIREFIX Single Or Double	-	-	251, 252, 254	FP2520	BICON A1/A2 423 L
FP PLUS	AP Clips	FP FIREFIX Single Or Double	-	-	251, 252, 254	FP2520	BICON A1/A2 423 L
FP400	-	-	BICON 370CG	BICON 370CG	-	-	BICON LSF-CW

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INTERNATIONAL

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