WE CONDUCT YOUR ENERGY

Product Catalogue

Pmflex

pmflex.com

We
conduct
your energy

Our goal is to offer products and solutions with an unmatched level of quality and innovation. We simplify and facilitate everyday life for customers and installers who are passionate about their craft.

Through good material choices, simplicity and sustainable craftsmanship, Pmflex wants to elevate the experience in residential and commercial buildings. We balance desire for new ideas and development with an appreciation for simple forms. The results that we are proud of today, are products for you.

Refine. Rethink. Respect.

With more than 60 years of experience, we are an innovative company group with a great ambition to make everyday life easier for those who use our solutions. At the same time, we tack on added value and innovative thinking, for installers, our partners, society and the next generation. We develop smart and sustainable solutions.

We are Pmflex, leading manufacturer of electrical conduits in Europe. Since 1962, we have been delivering high quality products with the goal of facilitating and streamlining the everyday life of the electrician. Our comprehensive product range is specially developed to be extremely easy to work with and flexible in both design and function.

Table of contents

Products

WE CONDUCT YOUR ENERGY

We conduct your energy

We are Pmflex, leading manufacturer of electrical conduits in Europe. Since 1962, we have been delivering high quality products with the goal of facilitating and streamlining the everyday life of the electrician. Our comprehensive product range is specially developed to be extremely easy to work with and flexible in both design and function.

Our vision is to be the most innovative company that is constantly at the forefront of our business area.

Our focus is to develop and produce the next generation solutions that simplify the every day of the installer. We reside in an innovative company culture and being close to the customer, which helps us to develop unique product solutions.

We are the perfect partner for anyone who wants to achieve results in projects and make a difference in the world we live in.

About us

Our focus is to develop and produce the next generation solutions. We operate in an innovative company culture and we are close to the market, which helps us to recognise the needs and adapt our business to the customer. Pmflex is therefore the perfect business partner for those who want to make a difference and achieve good results in projects.

Our vision is to be the most innovative company that is constantly at the forefront in our business area. With continuous investments, we have been able to successfully broaden our business and develop the range of products and services on the market, which we are proud of.

It is human nature to adapt our everyday tools to meet changing needs. We believe in building tools and aids with real effects - which means designing around people and for people. Pmflex is the logical choice for installations, an improved, flexible yet industrial quality line created for the 21st century.

As the experience continues to change, we see countless ways to create more efficient products. We see Pmflex as a tool that will unlock possibilities for the installers - that they can focus on the intangibles of the experience: simplicity, safe installations, employee satisfaction and resourcefulness.

Pmflex
Norge AS

Sales company

Oslo, Norway

Pmflex Group
Northern
Europe AB

Sales company and
new production plant
(opening in 2024)

Göteborg, Sweden

Pmflex
Group

Headquarter and
production plants

Bergamo, Italy

1st

Leading manufacturer
of electrical conduits
in Europe

1st

Manufacturer
of pre-wired conduits

>60

Years of experience
in conduit production
(since 1962)

>340.000

Kilometers of total
**conduits production
per year**

>100.000

Kilometers of pre-wired
conduits produced
per year

>1.500 sku's

Of which 700 referring
to **pre-wired conduits**

12

CE Ⓝ CEBEC Ⓓ FI Ⓨ

KEMA KEUR Ⓝ NF 696 ÖVE Ⓢ Ⓢ DVE

Product
quality marks

Year 1994

ISO
9000:2015

Company certification
ISO 9001:2015

Standard & Quality

At Pmflex, we are committed and have a great drive to be able to offer our customers products and solutions with cutting edge technology, such as always matching the highest standards of safety and ease of use. Always with a focus on the environment and sustainability.

Thanks to Pmflex halogen free products we are able to offer the ultimate level of security. The European standard EN 50642 defines the criteria to determine the halogen content in products and specifies the threshold values of the quantity of halogens, which these systems cannot pass up to be declared free of halogens.

The actual halogen content in Pmflex pliable conduits and rigid pipes is far below the boundary according to the EN 50642 standard. Note that Pmflex products also comply with the far more restrictive requirements for Nordic Ecolabelling (Nordic Eco Label) and may therefore be used in construction of Nordic Eco Labelled buildings.

Pmflex halogen free products also meet the requirements for standard IEC 61034-2 (Low Smoke), in case of fire. These products do not emit smoke and guarantee a higher visibility than 60%, which makes it possible to identify emergency exits. Our halogen free products are therefore recommended for all electrical installations in places that are intended to accommodate many people, such as schools, hospitals, shopping malls, offices and airports etc.

Solutions

Pmflex solution concepts

As we have broadened our concepts,
we have divided our range into different solutions,
to showcase the width and the use of the products.

Our solutions are:

Residential Solutions

Innovative solutions
for residential buildings

Regardless of whether it's a new construction or a renovation of building, there are individuals and families living there and residing in these homes. We feel proud to be able to deliver a wide range of Halogen Free and LSF0H (Low Smoke Flame retardant Zero Halogen) products, which is extra comforting for the individual.

By using HF and LSF0H materials, the safety raises significantly. Pmflex HF and LSF0H pipes and conduits are significantly more resistant than PVC to high temperatures. Therefore much safer against a possible fire as they do not emit any hydrochloric acid, which becomes a poisonous and corrosive fume emitted when PVC burns. In addition, HF and LSF0H products emit a minimal amount of dense smoke in case of fire which means that escape routes and emergency exits become easier to see.

Pmflex has a broad range of products. As an installer, working with pre-wired pliable conduits is incredibly time saving because you perform two steps at once. The range includes pre-wired conduits from two to seven

conductors and articles for unique installations such as for telecommunications, data, fire alarms and home automation. Most of them are available in various packaging solutions where each packing offers a unique benefit.

For the installer working on these projects, it is important that our solutions are ergonomic, easy and flexible to work with and that they maintain high quality.
With our xRoller, the installer can bring up to 300 meters of pliable conduits in one go - without any heavy lifting. This solution has become incredibly popular in the market, partly because it is very ergonomic but also because it saves time for the installer.

Our low friction conduits xSpeed & xHiSpeed are also used for renovations, additional installations and smaller service jobs. The products have a treated inside which significantly reduces friction. For service jobs the installer often uses only shorter lengths of conduits. Therefore, we have produced packages of 50 meters as a complement to the standard packaging of 100 meters.

SIMPLIFIED AND TIMESAVING

We offer a complete range of pre-wired products with energy cables or special cables. Using the pre-wired conduit is a simple and cost effective way to install. Our pre-wired assortments are available in several smart packaging solutions to fit your project's needs.

Commercial Solutions

Installations in commercial buildings

These installations do not differ much compared to a standard installation of a residential property. What we have focused on here are ergonomic solutions where the installer in a very time efficient manner can perform the installation. High performance is required here at the same time as ergonomics and workload are very important too.

Our Halogen Free and LSF0H products are especially recommended in commercial buildings which are intended to accommodate a large number of people like malls, airports, schools, hotels, hospitals, etc.
By using Halogen Free and LSF0H instead of PVC, you increase safety significantly.

Pmflex HF and LSF0H pipes and conduits are significantly more resistant than PVC against high temperatures and they are therefore much safer in the event of a fire because they do not emit hydrochloric acid, a poisonous and corrosive fume emitted when PVC burns. In addition, HF and LSF0H products emit a minimal amount of dense smoke in the event of a fire, which means that escape routes and emergency exits become significantly more visible.

With our xRoller, the installer can bring along up to 300 meters of empty or pre-wired conduit at once. Also at these constructions, our rigid pipes are often casted into the concrete and used as trunkings in ceiling, walls and floor for cable management. The pipes can handle pressure of 750N. Our 320N pipes are used with advantage for surface installations with accessories of bends and couplings for a complete installation. Of course, our cable protection system is useful in these buildings as well.

SIMPLIFIED AND TIMESAVING

With our xRoller solution, the installer can bring up to 300 meters of pliable conduits at once - without any heavy lifting.
This solution is very easy to handle and allows to heavily reduce conduit waste, compared to ordinary rolls.

Anti-UV Solutions

Solutions for solar panels

Thanks to the use of technologically advanced solutions, we present the Pmflex Anti-UV range, resistant to UV rays and atmospheric agents, suitable for outdoor installations and photovoltaic systems directly exposed to sunlight. When we believe in something, we achieve it. We simply like challenges and want to achieve more as well as a positive impact on society.

Anti-UV products are made with specific materials and additives, tested in climate chamber with UV lamp, as specified by the norms CEI EN 50289 and CEI EN 50618 (former CEI 20-91). The chamber reproduces, with intense UV light and with repeated rain and drying cycles, the climatic conditions that the product will encounter outside.

The range includes pliable conduits, rigid pipes, pre-wired conduits and couplings with clip. The cables are double insulated and LSZH. Pmflex Anti-UV products are also Halogen Free, in accordance with the European standard EN 50642 (the couplings are LSF0H).

UV-RESISTANT

We have developed a full uv-resistant range that includes pliable conduits, rigid pipes, pre-wired conduits and couplings with clip.

Technical info

Conduits, Pipes and Accessories

INTERNATIONAL STANDARD IEC EN 61386

EN 61386.1	General requirements. Applies to all conduit systems. It is to be used in conjunction with the appropriate part 2, providing specific requirements for each single type of conduit system.
EN 61386.21	Particular requirements – Rigid conduit systems.
EN 61386.22	Particular requirements – Pliable conduit systems.
EN 61386.23	Particular requirements – Flexible conduit systems.
EN 61386.24	Particular requirements – Conduit systems buried underground.

CLASSIFICATION CODE

The product classification code is made of 12 digits. The conduit must be marked with the first 4 digits, at least.

1st digit: Resistance to compression
1 - extra light (125 Newton)
2 - light (320 N)
3 - medium (750 N)
4 - heavy (1.250 N)
5 - extra heavy (4.000 N)

2nd digit: Resistance to impact
1 - extra light (0,5 Joules)
2 - light (1 Joule)
3 - medium (2 Joules)
4 - heavy (6 Joules)
5 - extra heavy (20,4 Joules)

3rd digit: minimum permanent application and installation temperature
1 - (+5°C)
2 - (-5°C)
3 - (-15°C)
4 - (-25°C)
5 - (-45°C)

4th digit: maximum permanent application and installation temperature
1 - (+60°C)
2 - (+90°C)
3 - (+105°C)
4 - (+120°C)
5 - (+150°C)
6 - (+250°C)
7 - (+400°C)

IP PROTECTION DEGREES

7th digit: resistance to the penetration of solid objects
3 - protected against the penetration of solid objects with diameter = /> 2,5 mm.
4 - protected against solid objects with diameter = /> 1,0 mm.
5 - dust protected
6 - dust-tight.

8th digit: resistance to water penetration
0 - no protection
1 - protected against vertically falling water drops
2 - protected against vertically falling water drops (system tilted up to 15°)
3 - protected against rain
4 - protected against water splashes
5 - protected against water jets
6 - protected against strong water jets
7 - protected against the effects of temporary immersion in water.

EUROPEAN INTERNATIONAL STANDARD EN 50642:2018

Test method for content of halogens in cable management systems. This European Standard specifies the method for the determination of the content of halogens in Cable Management System (CMS) components or products made of polymeric material(s). The determination is made by combustion and subsequent analysis of the combustion product by Ion Chromatography. This standard specifies how CMS components or products can be declared as halogen free.

EUROPEAN INTERNATIONAL STANDARD IEC 60754

Ordinary test methods for cables under fire conditions. Test on gases evolved during combustion of materials from cables.

Part 1	Determination of the amount of halogen acid gas.

Part 2	Determination of degree of acidity of gases for materials by measuring pH and conductivity.

EUROPEAN INTERNATIONAL STANDARD IEC 61034

Part 2	Measurement of smoke density of cables burning under defined conditions.

CONFORMITY DECLARATION

Pmflex declares that all the products *** listed in this catalogue, according to the Directive EC 2014/35 (LVD), comply with the minimum safety requirements of the Directive and are CE marked. Upon request, Pmflex can supply the copy of the EC Conformity Declaration for any single product.

*** The Following products are not included in the application field of LVD and are without CE mark: MOPI, MON, CT, C, CFC, CF, CFF

Notes

Notes

Safety & Environment

» We at Pmflex have a responsibility for how our products affect the environment - from what raw materials we source, product development, production, to use and subsequent recycling. «

At Pmflex, we feel a responsibility towards the environment and those who choose our products: commercial partners, installers and people who use the space where our products are installed.
In our pursuit to offer the best possible product, we source all raw materials from the most qualified European manufacturers and we subject them to strict quality controls.

In addition, we design and manufacture recyclable products that are extra safe, not only REACH compliant, but free of substances which could potentially be banned in the future.
Our commitment to business development, our responsiveness to develop new solutions and products with a strong environmental focus create value for installers, wholesalers, partners and the community overall.

Pmflex products are constantly being developed so that they comply and fulfill the latest and strictest requirements in terms of safety. Using Pmflex Halogen Free products, means working to ensure public safety and protecting valuable assets in case of fire.

Pmflex products are certified and listed in local environment portals. Get in contact with each local market for more information. In this time and age it's important to take responsibility and action for the future, for us and coming generations. This goes in line with our philosophy.

As a leading manufacturer of electrical installation materials, Pmflex Group has advanced its position further in the past year. We supply with a focus on sustainability and environment as well as create value for our customers.

xFLEX ECO GREEN

Recycled polypropylene LSF0H conduit, packaged with 100% recyclable film. The Eco Green conduit is made of 40% post-consumer recycled (PCR) material sourced from post-consumer household waste in Western European countries. By using 40% recycled polypropylene (PP), we reduce CO_2 emissions by 30% compared to using 100% fossil-based PP. Both the conduit and the packaging film are 100% recyclable.

We want to simplify your installation

Our values help to form a long-term, financially successful organisation. Producing value for our partners, the installer and the end user, is the core of our business, and that's what our corporate culture is based on.

At Pmflex, we are committed to offering solutions which make the work of installers easy, maximize electrical system safety and at the same time take care of the environment.

We believe in integrity and respect for the present and the future. Our values are: results, responsibility, professionalism, simplicity and joyfulness. Pmflex is about how we connect with each other, with our customers and with the rest of society. That's how we achieve our corporate goals.

We have a strong and successful corporate culture. We provide the opportunity to have the best employees in the industry by offering a developmental, sustainable and inclusive workplace and we will continue to develop a culture that encourages engagement because we believe that it also creates value for the customer.

The factor behind our success and cohesion can be explained in many ways. We succeed in different environments and our work varies from project to project. In the end, it comes down to simplify and make things better and that's what makes us winners.

We are driven by development of innovative and user-friendly products with respect for the environment.
Our mission is to simplify for the installer and the people who use our solutions.
We like challenges and we are not afraid to try new paths. Our values identify Pmflex as a company and contribute strongly to our competitiveness.

We believe in being transparent and respectful to our company, colleagues and customers. To trust each other, to do their best and live up to the decisions that are made. We are always committed to create an inspiring and developing environment for both us and our customers, from how we act to the creation of our products. We strive for to always find ways to respect not only our values but also the world we live in.

Professionalism requires us to see, listen, analyze, always taking responsibility to deliver quality and the help that our customers need. We know that Professionalism is based on intuition. An intuition which allows us to see things that others miss.

The Pmflex team will help you throughout the project. Our strength is to guide you as a customer in an early stage to streamline all types of electrical installations and thus make them more efficient in terms of costs and time. We want to simplify your installation.

Prewired
from Pmflex

xFlexWire

Pmflex

No uncoiling.
No twists.

xFlexWire

Pmflex

Innovation as a contributor to development

We strive to offer the market cutting-edge solutions, which meet the standards of safe, user-friendly, cost and time efficient installations. Our focus is to develop and produce the next generation of innovative solutions that simplify the installers working day. Why make it more complicated? We make it easier.

XROLLER

The unique construction with xRoller makes it possible with lengths up to 300 meters of pre-wired pliable conduits. The xRoller is incredibly easy to maneuver thanks to the fact that it rolls with the help of the bobbin and no extra wheels are needed. The installation becomes time efficient and the workload decreases with the long lengths and less carrying. You move the product in a simple way plus the unrolling works smoothly. There is no need to lift the bobbin up and it is easy to change it. xRoller is foldable, which simplifies transport considerably. Conduit waste is heavily reduced, compared to ordinary rolls.

COIL

The traditional coil, popular and easy to carry. Several articles are also available in shorter lengths than 100 meters, which are useful depending on the type of installation. This packaging solution has a low impact on the environment because of the light packing material.

COILPRO

CoilPro is a smart coil packaging solution that simplifies and significantly streamlines electrical installation with pre-wired pliable conduits. The product is coiled in a direction which means that no twists or knots occur during the extraction. The conduit becomes straight and easy to work with. The handle easily lifts the ring and by the time using, cut off the handle and pull the conduit up.

BOX

Our box is a smart packaging solution that simplifies and significantly streamlines electrical installation with pre-wired pliable conduits. The conduit is coiled in a direction which means that no twists or knots occur during the extraction. The conduit becomes straight and easy to work with. The box is treated and resists moisture, it is flexible and the user-friendly positioned handles make it easy to carry.

NEW PRODUCTION & DISTRIBUTION CENTER

Production for Northern Europe

Pmflex is building a new production and distribution center in Gothenburg. A natural step to continue creating innovative products is to get close to the customer.

By creating a production plant in Sweden we capitalize on the growth opportunities which we see in the Northern Europe.
To be close to the customer and with short transport routes it is the natural way to go.

Our state-of-the-art new factory in combination with a distribution center with the capacity to deliver to all our markets in Northern Europe create a short route between production and customer. With the modern facility, we take the lead in the green transition and meet the increased demand on sustainably produced products and deliveries.

The facility covers approximately 14,000 m^2 and will contain machinery for manufacturing, storage and loading areas as well as offices.

The building is regulated in terms of temperatures and humidity to meet the requirements of the manufacturing process. The new facility is to be certified according to ISO14000. On the roof solar cells will be installed and the car park has charging points for our entire electric carpark.
Construction and excavation works have begun and the plant is planned to be put into operation during the 2024.

xFlexWire

Treat yourself to an even more comfortable installation with our pre-wired range

We offer a complete range of pre-wired conduits, with both energy cables and special cables, that allows you to implement any type of electrical installation in Europe. Our pre-wired conduits contain all kinds of cable and the conduits are also pre-lubricated, therefore, they can be easily fitted with additional cables. All the cables comply with the CPR standard, regulation 305/2011/EU for construction products, for the release of toxic gas and flame propagation. With our pre-wired conduits you can save time and labour costs: installation times are halved and one person can easily do the job alone.

xFlexWire H07V-U Energy cables

xFlexWire H07V-K Energy cables

xFlexWire H07V-R Energy cables

xFlexWire FS17 Energy cables

xFlexWire Anti-electric fields cables

xFlexWire H07Z1-U LSZH Energy cables

xFlexWire H07Z1-K LSZH Energy cables

xFlexWire H07Z1-R LSZH Energy cables

RoHS COMPLIANT · EN50575 CPR COMPLIANT

xFlexWire FG17 LSZH Energy cables

RoHS COMPLIANT · EN50575 CPR COMPLIANT

xFlexWire H1Z2Z2-K Anti-UV cables

xFlexWire Data cables

xFlexWire Telecommunication cables
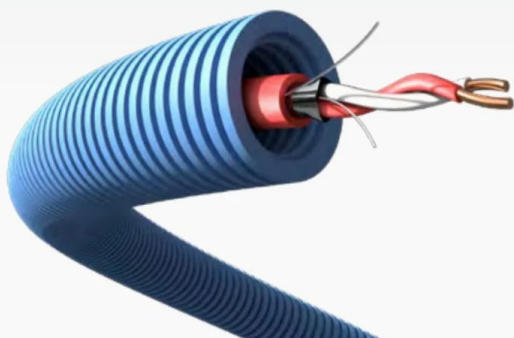
xFlexWire Alarm cables

xFlexWire Coaxial cables
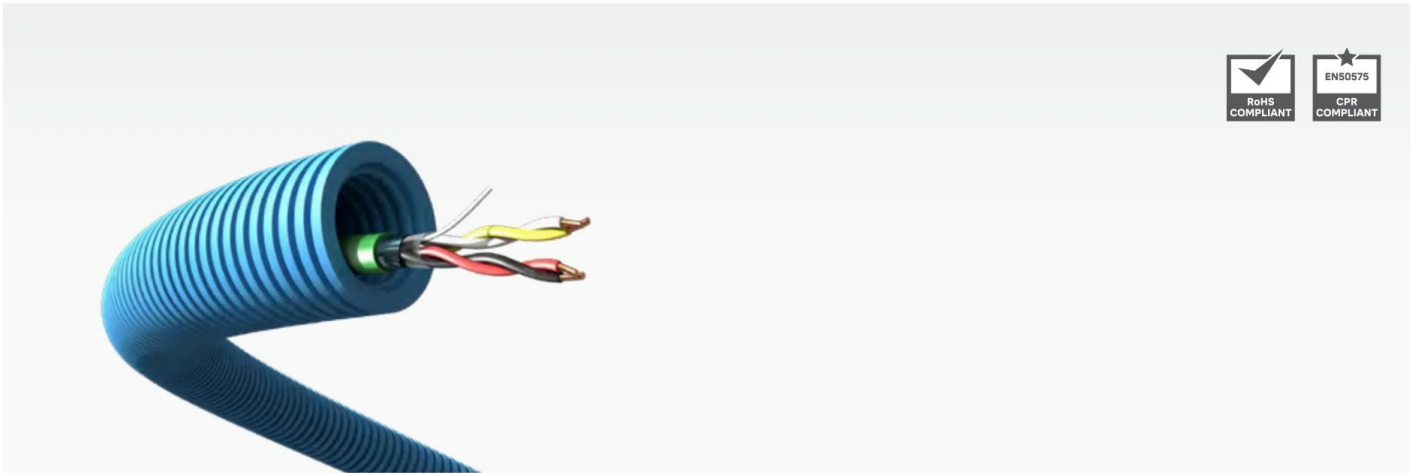
xFlexWire Domotic cables
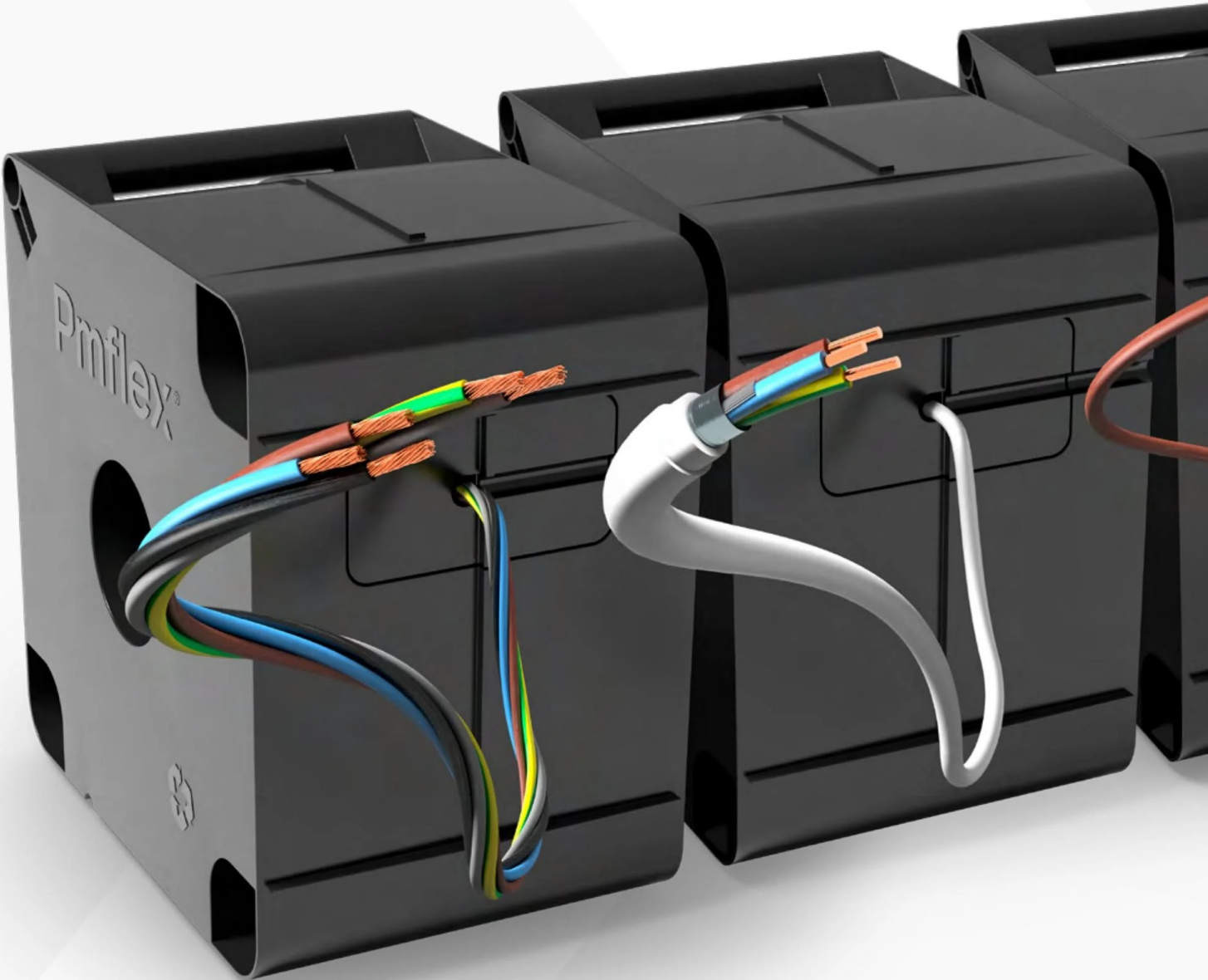
xWire

xWire is for you who like to have your cables in order

Our popular xWire box contains cables already combined, ready to be pulled and metrically marked. The products are ideal on buildings where both cable and box need to be durable and weatherproof. It is easy to extract the cable and then plug it back in the box, which means that the cable can be used from the start to the last meter. The range is available with both energy cables and special cables. The box with its handle and design is very user-friendly: it is stable, easy to stack and transport and it optimises space management. The box is made from 100% recyclable polypropylene. The cables are always flat and never curled up when they exit the box, and they are well protected against dust, atmospheric agents, impact during transportation and handling.

xFlex

xFlex for you who want freedom of choice without compromising on speed.

The xFlex range includes pliable conduits with different features and for different applications. We have eco-friendly conduits made in polypropylene (Halogen Free, LSF0H and Eco Green), anti-uv and also PVC conduits.
Our pliable conduits have a specially treated inside, which results in a faster and more efficient installation. Thanks to the user-friendly conduit, it will also be easier to feed in cables afterwards. Complementary couplings can be found under our segment xInstall.

FLAME RETARDANT · **RoHS COMPLIANT** · **HALOGEN FREE** · **PREFAB USE** · **CHASED FITTING** · **CONCRETE INFUSIBLE** · **INDOOR USE**

COLOURS

xSpeed HF

xSpeed HF is the self-recovering pliable conduit, totally free of micro-holes. It can be used with cement and concrete, it is internally lubricated (diameter 16, 20 and 25 mm) and self-protected: it doesn't need concrete cover. The conduit is halogen free and made of environmentally friendly polypropylene. Available in diameters 16-63 mm, with or without traction wire.

APPLICATIONS

Outdoor	❌	Chased wall - Plasterboard	✅
Indoor	✅	Chased floor	✅
Exposed Installation	❌	False ceiling - Movable wall	✅
Liquid screed and concrete	✅	Prefab - Wood panels	✅

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION (ICTA 34223)

Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK08, EN 62262) - Heavy - (4)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE N 🖶 D FI 🅥 KEMA KEUR N NF OVE S S

SPECIFICATION (ICTA 33433)

Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK08, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE ⒟ Ⓕ Ⓝ ⓄⓋⒺ Ⓢ

16 mm xSpeed HF 750N

❂	⬡	⬭	⬭		⌀	⌀	◎	⊞
● RAL 7037	Coil	ICTAHF16	ICTAHF16F		16 mm	10,3 mm	100 m	6 600 m
● RAL 5017	Coil	ICTAHFA16	ICTAHFA16F		16 mm	10,3 mm	100 m	6 600 m
● RAL 7035	Coil	ICTAHFX16	ICTAHFX16F		16 mm	10,3 mm	100 m	6 600 m

20 mm xSpeed HF 750N

❂	⬡	⬭	⬭		⌀	⌀	◎	⊞
● RAL 7037	Coil	ICTAHF20	ICTAHF20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 9004	Coil	ICTAHFN20	ICTAHFN20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 5017	Coil	ICTAHFA20	ICTAHFA20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 7035	Coil	ICTAHFX20	ICTAHFX20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 6037	Coil	ICTAHFV20	ICTAHFV20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 4008	Coil	ICTAHFVI20	ICTAHFVI20F		20 mm	13,1 mm	100 m	5 600 m
● RAL 8012	Coil	ICTAHFM20	ICTAHFM20F		20 mm	13,1 mm	100 m	5 600 m

25 mm xSpeed HF 750N

❂	⬡	⬭	⬭		⌀	⌀	◎	⊞
● RAL 7037	Coil	ICTAHF25	ICTAHF25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 9004	Coil	ICTAHFN25	ICTAHFN25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 5017	Coil	ICTAHFA25	ICTAHFA25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 7035	Coil	ICTAHFX25	ICTAHFX25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 6037	Coil	ICTAHFV25	ICTAHFV25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 4008	Coil	ICTAHFVI25	ICTAHFVI25F		25 mm	18,1 mm	100 m	3 600 m
● RAL 8012	Coil	ICTAHFM25	ICTAHFM25F		25 mm	18,1 mm	100 m	3 600 m

32 mm xSpeed HF 750N

● RAL 7037	Coil	ICTAHF32	ICTAHF32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 9004	Coil	ICTAHFN32	ICTAHFN32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 5017	Coil	ICTAHFA32	ICTAHFA32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 6037	Coil	ICTAHFV32	ICTAHFV32F		32 mm	24,3 mm	50 m	1 800 m

40 mm xSpeed HF 750N

● RAL 7037	Coil	ICTAHF4025	ICTAHF40F25		40 mm	30,0 mm	25 m	1 100 m
● RAL 7037	Coil	ICTAHF40	ICTAHF40F		40 mm	30,0 mm	50 m	1 400 m

50 mm xSpeed HF 750N

● RAL 7037	Coil	ICTAHF50	ICTAHF50F		50 mm	39,0 mm	25 m	800 m
● RAL 7037	Coil	ICTAHF5050	ICTAHF50F50		50 mm	39,0 mm	50 m	700 m

63 mm xSpeed HF 750N

● RAL 7037	Coil	ICTAHF63	ICTAHF63F		63 mm	50,0 mm	25 m	400 m

ICTANUV 34223
ANTI-UV HF (Halogen Free)

UV RESISTANT | FLAME RETARDANT | RoHS COMPLIANT | HALOGEN FREE | PREFAB USE | CHASED FITTING | CONCRETE INFUSIBLE | INDOOR USE | OUTDOOR USE

10 YEARS
ANTI-UV

COLOURS

xSpeed HF UV

The Anti-UV pliable conduit is resistant to UV rays and atmospheric agents, suitable for outdoor installations and photovoltaic systems directly exposed to sunlight. The conduit is also ecological: Halogen Free according to European standard EN 50642.

APPLICATIONS

Outdoor	✓	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✓	False ceiling - Movable wall	✓
Liquid screed and concrete	✓	Prefab - Wood panels	✓

CHARACTERISTICS

Anti-UV	EN 50618:2015-12
LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION (34223)

ICTA	34223
Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK08, EN 62262) - Heavy - (4)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓝ ⬢ Ⓓ Ⓕ Ⓨ KEMA KEUR Ⓝ NF ÖVE Ⓢ Ⓢ

SPECIFICATION (ICTA 33433)

Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK08, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓓ Ⓕ Ⓝ ⓄⓋⒺ Ⓢ

16 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV16RT24		16 mm	10,3 mm	100 m	2 400 m

20 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV20RT20		20 mm	13,1 mm	100 m	2 000 m

25 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV25RT12		25 mm	18,1 mm	100 m	1 200 m

32 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV3225RT24		32 mm	24,3 mm	25 m	600 m

40 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV4025RT20		40 mm	30,0 mm	25 m	500 m

50 mm xSpeed HF UV 750N

⊛	⬡	⊜		⊘	⊘	◎	⊞
● RAL 9004	Coil	ICTANUV5025RT8		50 mm	39,0 mm	25 m	200 m

ICHWN 33432
HF (Halogen Free)

FLAME RETARDANT · RoHS COMPLIANT · HALOGEN FREE · PREFAB USE · CHASED FITTING · CONCRETE INFUSIBLE · INDOOR USE

COLOURS

xSpeed HF ULTRA

Extra resistant pliable conduit, totally free of micro-holes and internally lubricated in the diameters 16, 20 and 25 mm. It is compliant with the standards OVE-RICHTLINIE R14:2014, DIN VDE 0100-520:2013-06 and DIN VDE V 0604-2-100:2012-08. Highest compression: 25%, compared to 50% of traditional micro-hole-free conduits. Highest operating temperature: + 105°.

APPLICATIONS

Outdoor	❌	Chased wall - Plasterboard	✅
Indoor	✅	Chased floor	✅
Exposed Installation	❌	False ceiling - Movable wall	✅
Liquid screed and concrete	✅	Prefab - Wood panels	✅

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Metrically marked	Yes
Packed with 100% recyclable PE film	Yes
Compliant with OVE-RICHTLINIE R14:2014	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICHW	33432
Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK08, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Pliable - (2)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓥ

16 mm xSpeed HF ULTRA 750N

				⌀	⌀	◎	⊞
● RAL 9004	Coil	ICHWN16		16 mm	10,3 mm	100 m	6 600 m

20 mm xSpeed HF ULTRA 750N

				⌀	⌀	◎	⊞
● RAL 9004	Coil	ICHWN20		20 mm	13,1 mm	100 m	5 600 m

25 mm xSpeed HF ULTRA 750N

				⌀	⌀	◎	⊞
● RAL 9004	Coil	ICHWN25		25 mm	18,0 mm	100 m	3 600 m

32 mm xSpeed HF ULTRA 750N

				⌀	⌀	◎	⊞
● RAL 9004	Coil	ICHWN32		32 mm	23,9 mm	50 m	1 800 m

ICTAECO 34223
LSF0H (Low Smoke Flame Retardant Zero Halogen)

FLAME RETARDANT · RoHS COMPLIANT · RECYCLED PACKAGE · PREFAB USE · CHASED FITTING · CONCRETE INFUSIBLE · INDOOR USE

COLOURS

xSpeed ECO GREEN

Recycled polypropylene LSF0H conduit, packaged with 100% recyclable film. The Eco Green conduit is made of 40% post-consumer recycled (PCR) material sourced from post-consumer household waste in Western European countries. By using 40% recycled polypropylene (PP), we reduce CO_2 emissions by 30% compared to using 100% fossil-based PP. Both the conduit and the packaging film are 100% recyclable.

APPLICATIONS

Outdoor	✕	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✕	False ceiling - Movable wall	✓
Liquid screed and concrete	✓	Prefab - Wood panels	✓

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	Yes
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICTA	34223
Material	40% recycled polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK08, EN 62262) - Heavy - (4)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓝ 🖨 Ⓓ Ⓕ ⑭ KEMA KEUR Ⓝ NF OVE Ⓢ Ⓢ

issuu-downloader.com

16 mm xSpeed ECO GREEN 750N

					⌀	⌀	◎	⊞
● RAL 6004	Coil	ICTAECO16RT30	ICTAECO16FRT30		16 mm	10,3 mm	100 m	3 000 m

20 mm xSpeed ECO GREEN 750N

					⌀	⌀	◎	⊞
● RAL 6004	Coil	ICTAECO20RT24	ICTAECO20FRT24		20 mm	13,1 mm	100 m	2 400 m

25 mm xSpeed ECO GREEN 750N

					⌀	⌀	◎	⊞
● RAL 6004	Coil	ICTAECO25RT16	ICTAECO25FRT16		25 mm	18,1 mm	100 m	1 600 m

32 mm xSpeed ECO GREEN 750N

					⌀	⌀	◎	⊞
● RAL 6004	Coil	ICTAECO32RT16	ICTAECO32FRT16		32 mm	24,3 mm	50 m	800 m

ICTAQN 34223
LSF0H (Low Smoke Flame Retardant Zero Halogen)

FLAME RETARDANT · **RoHS COMPLIANT** · **PREFAB USE** · **CHASED FITTING** · **CONCRETE INFUSIBLE** · **INDOOR USE**
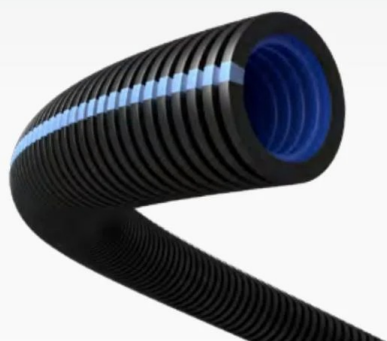
COLOURS

xHiSpeed

The HiSpeed conduit is self-recovering, totally free of micro-holes and it can be used with cement and concrete. The conduit owns a very high slipperiness: its inner wall in polymers compound, reduces friction by 55% compared to common polypropylene conduits. It is also ecological: Low Smoke Flame retardant Zero Halogen (LSF0H). The coloured longitudinal line along the outer wall of the conduit indicates the size of the diameter: orange 16 mm, blue 20 mm and yellow 25 mm.

APPLICATIONS

Outdoor	✕	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✕	False ceiling - Movable wall	✓
Liquid screed and concrete	✓	Prefab - Wood panels	✓

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	Yes
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICTA	34223
Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK08, EN 62262) - Heavy - (4)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓓ Ⓕ Ⓜ Ⓝ NF ⒪VE* Ⓢ*

*ÖVE and Semko Certification also for 33433

3 coloured longitudinal lines along the wall indicate the diameter:	• orange	ø 16mm
	• light blue	ø 20mm
	• yellow	ø 25mm

16 mm xHiSpeed 750N

				⊘	⊘	◎	⊞
RAL 9004	Coil	ICTAQN16		16 mm	10,3 mm	100 m	6 600 m

20 mm xHiSpeed 750N

				⊘	⊘	◎	⊞
RAL 9004	Coil	ICTAQN20		20 mm	13,1 mm	100 m	6 000 m

25 mm xHiSpeed 750N

				⊘	⊘	◎	⊞
RAL 9004	Coil	ICTAQN25		25 mm	18,1 mm	100 m	3 600 m

ICTA 34223 | ICTA 33433
Low Smoke Flame Retardant Zero Halogen

FLAME RETARDANT | RoHS COMPLIANT | PREFAB USE | CHASED FITTING | CONCRETE INFUSIBLE | INDOOR USE

COLOURS

xSpeed

xSpeed is the self-recovering pliable conduit, totally free of micro-holes. It can be used with cement and concrete, it is internally lubricated (diameter 16, 20 and 25 mm) and self-protected: it doesn't need concrete cover. The conduit is LSF0H (Low Smoke Flame retardant Zero Halogen) and made of polypropylene. Available in diameters 16-63 mm, with or without traction wire.

APPLICATIONS

Outdoor	✗	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✗	False ceiling - Movable wall	✓
Liquid screed and concrete	✓	Prefab - Wood panels	✓

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION (ICTA 34223)

Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK08, EN 62262) - Heavy - (4)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE N 🖶 D FI 🅜 KEMA KEUR N NF OVE S Ⓢ

SPECIFICATION (ICTA 33433)

Material	Polypropylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK08, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE D FI N OVE S

16 mm xSpeed 750N

⬡	⬡	⊜	⬤	⌀	⌀	◎	▦
● RAL 7037	Coil	ICTA16	ICTA16F	16 mm	10,3 mm	100 m	6 600 m
● RAL 5017	Coil	ICTAA16	ICTAA16F	16 mm	10,3 mm	100 m	6 600 m

20 mm xSpeed 750N

⬡	⬡	⊜	⬤	⌀	⌀	◎	▦
● RAL 7037	Coil	ICTA20	ICTA20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 9004	Coil	ICTAN20	ICTAN20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 5017	Coil	ICTAA20	ICTAA20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 6037	Coil	ICTAV20	ICTAV20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 4008	Coil	ICTAVI20	ICTAVI20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 8012	Coil	ICTAM20	ICTAM20F	20 mm	13,1 mm	100 m	5 600 m
● RAL 7035	Coil	ICTAX20	–	20 mm	13,1 mm	100 m	5 600 m

25 mm xSpeed 750N

⬡	⬡	⊜	⬤	⌀	⌀	◎	▦
● RAL 7037	Coil	ICTA25	ICTA25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 9004	Coil	ICTAN25	ICTAN25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 5017	Coil	ICTAA25	ICTAA25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 6037	Coil	ICTAV25	ICTAV25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 4008	Coil	ICTAVI25	ICTAVI25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 8012	Coil	ICTAM25	ICTAM25F	25 mm	18,1 mm	100 m	3 600 m
● RAL 7035	Coil	ICTAX25	–	25 mm	18,1 mm	100 m	3 600 m

32 mm xSpeed 750N

● RAL 7037	Coil	ICTA32	ICTA32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 9004	Coil	ICTAN32	ICTAN32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 5017	Coil	ICTAA32	ICTAA32F		32 mm	24,3 mm	50 m	1 800 m
● RAL 6037	Coil	ICTAV32	ICTAV32F		32 mm	24,3 mm	50 m	1 800 m

40 mm xSpeed 750N

● RAL 7037	Coil	ICTA4025	ICTA40F25		40 mm	30,0 mm	25 m	1 100 m
● RAL 7037	Coil	ICTA40	ICTA40F		40 mm	30,0 mm	50 m	1 400 m

50 mm xSpeed 750N

● RAL 7037	Coil	ICTA50	ICTA50F		50 mm	39,0 mm	25 m	800 m
● RAL 7037	Coil	ICTA5050	ICTA50F50		50 mm	39,0 mm	50 m	700 m

63 mm xSpeed 750N

● RAL 7037	Coil	ICTA63	ICTA63F		63 mm	50,0 mm	25 m	400 m

ICTAAM 34323
1000N / -15°C
Fire Index: 5.2

FLAME RETARDANT | RoHS COMPLIANT | PREFAB USE | CHASED FITTING | CONCRETE INFUSIBLE | INDOOR USE
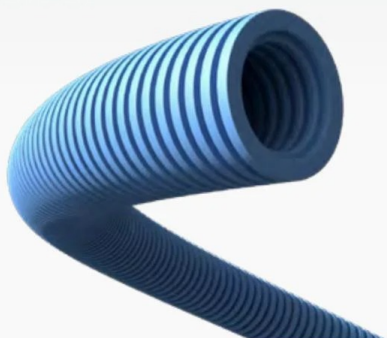
COLOURS

xSpeed SuperBlu®

The SuperBlu conduit has high flexibility and very high compression resistance: it is tested at 1000N. The conduit is self-recovering and totally free of micro-holes, therefore it can be used with cement and concrete. Furthermore, it is also internally lubricated (diameters 16, 20, 25 mm), metrically marked (diameters 16, 20, 25 mm) and environmentally friendly (Low Smoke Flame retardant Zero Halogen). SuperBlu is the only ESTI and IMQ certified conduit resistant to temperatures of -15°C and to shocks of 6 Joules.

APPLICATIONS

Outdoor	❌	Chased wall - Plasterboard	✅
Indoor	✅	Chased floor	✅
Exposed Installation	❌	False ceiling - Movable wall	✅
Liquid screed and concrete	✅	Prefab - Wood panels	✅

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Metrically marked	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICTA	34323
Material	Polypropylene
Compression resistance	Tested at 1000N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	6J (IK10, EN 62262) - Heavy - (4)
Min. operating temperature	-15°C - (3)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓟ Ⓢ

▬ 230V/Energy cables	▬ Thermostat	▬ Special installations
▬ TV/Coaxial cables	▬ Low voltage/Data transmission cables	▬ Dark colour ceilings
▬ Phone cables		

16 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM16		16 mm	10,0 mm	100 m	6 600 m

20 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM20		20 mm	13,1 mm	100 m	5 600 m
● RAL 9004	Coil	ICTAAMN20		20 mm	13,1 mm	100 m	5 600 m
● RAL 6037	Coil	ICTAAMV20		20 mm	13,1 mm	100 m	5 600 m
● RAL 4008	Coil	ICTAAMVI20		20 mm	13,1 mm	100 m	5 600 m
● RAL 8012	Coil	ICTAAMM20		20 mm	13,1 mm	100 m	5 600 m
● RAL 3028	Coil	ICTAAMR20		20 mm	13,1 mm	100 m	5 600 m
● RAL 1018	Coil	ICTAAMGI20		20 mm	13,1 mm	100 m	5 600 m

25 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM25		25 mm	17,7 mm	100 m	3 600 m
● RAL 9004	Coil	ICTAAMN25		25 mm	17,7 mm	100 m	3 600 m
● RAL 6037	Coil	ICTAAMV25		25 mm	17,7 mm	100 m	3 600 m
● RAL 4008	Coil	ICTAAMVI25		25 mm	17,7 mm	100 m	3 600 m
● RAL 8012	Coil	ICTAAMM25		25 mm	17,7 mm	100 m	3 600 m
● RAL 3028	Coil	ICTAAMR25		25 mm	17,7 mm	100 m	3 600 m
● RAL 1018	Coil	ICTAAMGI25		25 mm	17,7 mm	100 m	3 600 m

32 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM32		32 mm	23,9 mm	50 m	1 800 m
● RAL 4008	Coil	ICTAAMVI32		32 mm	23,9 mm	50 m	1 800 m

40 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM4025		40 mm	30,0 mm	25 m	1 100 m
● RAL 5015	Coil	ICTAAM40		40 mm	30,0 mm	50 m	1 400 m

50 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM50		50 mm	38,3 mm	50 m	700 m
● RAL 5015	Coil	ICTAAM5025		50 mm	38,3 mm	25 m	675 m

63 mm xSpeed SuperBlu® 1000N

				⌀	⌀	◎	▦
● RAL 5015	Coil	ICTAAM63		63 mm	51,5 mm	25 m	400 m

FLAME RETARDANT | RoHS COMPLIANT | PREFAB USE | CHASED FITTING | CONCRETE INFUSIBLE | INDOOR USE

COLOURS

xSpeed SuperBlu® Extra

The Pmflex SuperBlu Extra conduit has an exceptional compression resistance: 1250 N. The conduit is self-recovering and totally free of micro-holes, therefore it can be used with cement and concrete. Furthermore, it is also internally lubricated (diameters 20 and 25 mm), metrically marked (diameters 20 and 25 mm) and environmentally friendly (Low Smoke Flame retardant Zero Halogen). SuperBlu Extra is ideal for installation in summer, when outside temperatures become higher and the conduit is subject to greater stress. The color of the conduit is light grey (RAL 7035).

APPLICATIONS

Outdoor	❌	Chased wall - Plasterboard	✅
Indoor	✅	Chased floor	✅
Exposed Installation	❌	False ceiling - Movable wall	✅
Liquid screed and concrete	✅	Prefab - Wood panels	✅

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Self-recovering (of at least 90% of original diameter)	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 20 mm, 25 mm)
Metrically marked	Yes
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICTA	43433
Material	Polypropylene
Compression resistance	1250N (23°C, +/- 2°C) - Heavy - (4)
Resistance to impact	2J (IK10, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Pliable - Self-recovering - (3)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE

20 mm xSpeed SuperBlu® Extra 1250N

				⊘	⊘	◎	⊞
● RAL 7035	Coil	ICTHX20		20 mm	12,9 mm	100 m	5 600 m

25 mm xSpeed SuperBlu® Extra 1250N

				⊘	⊘	◎	⊞
● RAL 7035	Coil	ICTHX25		25 mm	17,4 mm	100 m	3 600 m

32 mm xSpeed SuperBlu® Extra 1250N

				⊘	⊘	◎	⊞
● RAL 7035	Coil	ICTHX32		32 mm	23,5 mm	50 m	1 800 m

40 mm xSpeed SuperBlu® Extra 1250N

				⊘	⊘	◎	⊞
● RAL 7035	Coil	ICTHX40		40 mm	29,6 mm	50 m	1 400 m

IPC 33212

FLAME RETARDANT · RoHS COMPLIANT · PREFAB USE · CHASED FITTING · INDOOR USE

COLOURS

xSpeed PVC

The xSpeed PVC conduit is ideal in standard installations that do not require the use of LSF0H materials; it is not suitable with liquid concrete and reinforced concrete. The conduit is made with ecological PVC and it is also internally lubricated.

APPLICATIONS

Outdoor	✖	Chased wall - Plasterboard*	✔
Indoor	✔	Chased floor*	✔
Exposed Installation	✖	False ceiling - Movable wall*	✔
Liquid screed and concrete	✖	Prefab - Wood panels*	✔

* Only for electrical installations that do not require HF/LSF0H conduit systems.

CHARACTERISTICS

Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

IPC	33212
Material	PVC
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK07, EN 62262) - Medium - (3)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+60°C - (1)
Bending resistance	Pliable - (2)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE ⓊⓁ NF

16 mm xSpeed PVC 750N

					⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN16	IPCN16F		16 mm	10,7 mm	100 m	6 000 m
● RAL 1013	Coil	IPCX16	IPCX16F		16 mm	10,7 mm	100 m	2 800 m
● RAL 5015	Coil	IPCA16	IPCA16F		16 mm	10,7 mm	100 m	2 800 m
● RAL 8012	Coil	IPCM16	IPCM16F		16 mm	10,7 mm	100 m	2 800 m
● RAL 6037	Coil	IPCV16	IPCV16F		16 mm	10,7 mm	100 m	2 800 m
● RAL 4008	Coil	IPCVI16	IPCVI16F		16 mm	10,7 mm	100 m	2 800 m
● RAL 7035	Coil	ICAG16	-		16 mm	10,7 mm	100 m	6 000 m

20 mm xSpeed PVC 750N

					⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN20	IPCN20F		20 mm	14,1 mm	100 m	5 200 m
● RAL 1013	Coil	IPCX20	IPCX20F		20 mm	14,1 mm	100 m	2 400 m
● RAL 5015	Coil	IPCA20	IPCA20F		20 mm	14,1 mm	100 m	2 400 m
● RAL 8012	Coil	IPCM20	IPCM20F		20 mm	14,1 mm	100 m	2 400 m
● RAL 6037	Coil	IPCV20	IPCV20F		20 mm	14,1 mm	100 m	2 400 m
● RAL 4008	Coil	IPCVI20	IPCVI20F		20 mm	14,1 mm	100 m	2 400 m
● RAL 7035	Coil	ICAG20	-		20 mm	14,1 mm	100 m	5 200 m

25 mm xSpeed PVC 750N

					⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN25	IPCN25F		25 mm	18,2 mm	50 m	2 800 m
● RAL 1013	Coil	IPCX25	IPCX25F		25 mm	18,2 mm	50 m	1 200 m
● RAL 5015	Coil	IPCA25	IPCA25F		25 mm	18,2 mm	50 m	1 200 m
● RAL 8012	Coil	IPCM25	IPCM25F		25 mm	18,2 mm	50 m	1 200 m
● RAL 6037	Coil	IPCV25	IPCV25F		25 mm	18,2 mm	50 m	1 200 m
● RAL 4008	Coil	IPCVI25	IPCVI25F		25 mm	18,2 mm	50 m	1 200 m
● RAL 7035	Coil	ICAG25	-		25 mm	18,2 mm	50 m	2 800 m

32 mm xSpeed PVC 750N

					⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN32	IPCN32F		32 mm	24,2 mm	25 m	1 800 m
● RAL 1013	Coil	IPCX32	IPCX32F		32 mm	24,2 mm	25 m	900 m
● RAL 5015	Coil	IPCA32	IPCA32F		32 mm	24,2 mm	25 m	900 m
● RAL 8012	Coil	IPCM32	IPCM32F		32 mm	24,2 mm	25 m	900 m
● RAL 6037	Coil	IPCV32	IPCV32F		32 mm	24,2 mm	25 m	900 m
● RAL 4008	Coil	IPCVI32	IPCVI32F		32 mm	24,2 mm	25 m	900 m
● RAL 7035	Coil	ICAG32	-		32 mm	24,2 mm	25 m	1 800 m

40 mm xSpeed PVC 750N

						⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN40	–			40 mm	32,4 mm	25 m	1 075 m

50 mm xSpeed PVC 750N

						⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN50	–			50 mm	41,2 mm	25 m	800 m

63 mm xSpeed PVC 750N

						⌀	⌀	◎	▦
● RAL 9004	Coil	IPCN63	–			63 mm	50,6 mm	25 m	–

ICE 33412

FLAME RETARDANT | RoHS COMPLIANT | PREFAB USE | CHASED FITTING | CONCRETE INFUSIBLE | INDOOR USE

xSpeed PVC ICE -25

The xSpeed PVC ICE -25 has a very high resistance at low temperatures: -25°C. It is made in PVC and its colour is grey (RAL 7037).

COLOURS

APPLICATIONS

Outdoor	✕	Chased wall - Plasterboard**	✓
Indoor	✓	Chased floor**	✓
Exposed Installation*	✕	False ceiling - Movable wall**	✓
Liquid screed and concrete**	✓	Prefab - Wood panels**	✓

*Check local regulations.
** Only for electrical installations that do not require HF/LSF0H conduit systems.

CHARACTERISTICS

Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Pre-lubricated	(Ø 16 mm, 20 mm, 25 mm)
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

ICE	33412
Material	PVC
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK08, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+60°C - (1)
Bending resistance	Pliable - (2)
Insulation resistance	>100MΩ
Quality marking	CE ÖVE

16 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE16	ICE16F		16 mm	10,7 mm	50 m	7 650 m

20 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE20	ICE20F		20 mm	14,1 mm	50 m	4 200 m

25 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE25	ICE25F		25 mm	18,2 mm	50 m	2 800 m

32 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE32	ICE32F		32 mm	24,2 mm	25 m	1 800 m

40 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE40	-		40 mm	32,4 mm	25 m	1 075 m

50 mm xSpeed PVC ICE -25 750N

					⌀	⌀	◎	▦
● RAL 7037	Coil	ICE50	-		50 mm	41,2 mm	25 m	800 m

FLAME RETARDANT · RoHS COMPLIANT · PREFAB USE · INDOOR USE

COLOURS

xSpeed PVC LIGHT

The xSpeed PVC LIGHT is the light class conduit. It is ideal in standard installations that do not require the use of LSF0H materials and it is not suitable with liquid concrete and reinforced concrete. Made with ecological PVC and available with or without traction wire.

APPLICATIONS

Outdoor	❌	Chased wall - Plasterboard*	✅
Indoor	✅	Chased floor	❌
Exposed Installation	❌	False ceiling - Movable wall*	✅
Liquid screed and concrete	❌	Prefab - Wood panels*	✅

* Only for electrical installations that do not require HF/LSF0H conduit systems.

CHARACTERISTICS

Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

IPS	22212
Material	PVC
Compression resistance	320N (23°C, +/- 2°C) - Light - (2)
Resistance to impact	1J - Light - (2)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+60°C - (1)
Bending resistance	Pliable - (2)
Insulation resistance	>100MΩ
Quality marking	CE (VE) ⚠

16 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS16	IPS16F		16 mm	10,7 mm	50 m	7 650 m

20 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS20	IPS20F		20 mm	14,1 mm	50 m	4 200 m

25 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS25	IPS25F		25 mm	18,2 mm	50 m	2 600 m

32 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS32	IPS32F		32 mm	24,2 mm	25 m	1 800 m

40 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS40	-		40 mm	32,4 mm	25 m	1 075 m

50 mm xSpeed PVC LIGHT 320N

					⊘	⊘	◎	▦
● RAL 7035	Coil	IPS50	-		50 mm	41,2 mm	25 m	800 m

Spirex GUS

Spiralled flexible sheaths 2311. It is lead-free
(ROHS compliant) and it has a watertight system:
protection degree IP65 if used with fittings
RAI-RAG-RAP and IP66 with fittings RK.

COLOURS

CHARACTERISTICS

Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

	2311
Material	PVC
Compression resistance	320N (23°C, +/- 2°C) - Light - (2)
Resistance to impact	2J - Medium - (3)
Min. operating temperature	+5°C - (1)
Max. operating temperature	+60°C - (1)
Quality marking	CE Ⓨ

8 mm Spirex

● RAL 7035	Coil	GUS8G			12,1 mm	8 mm	30 m	6 840 m

10 mm Spirex

● RAL 7035	Coil	GUS10G			14,7 mm	10 mm	30 m	6 840 m

12 mm Spirex

● RAL 7035	Coil	GUS12G			16,4 mm	12 mm	30 m	5 940 m
● RAL 9005	Coil	GUS12N			16,4 mm	12 mm	30 m	5 940 m

14 mm Spirex

● RAL 7035	Coil	GUS14G			18,9 mm	14 mm	30 m	5 400 m

16 mm Spirex

● RAL 7035	Coil	GUS16G			20,7 mm	16 mm	30 m	5 400 m
● RAL 9005	Coil	GUS16N			20,7 mm	16 mm	30 m	5 400 m

20 mm Spirex

● RAL 7035	Coil	GUS20G			25,0 mm	20 mm	30 m	4 320 m
● RAL 9005	Coil	GUS20N			25,0 mm	20 mm	30 m	4 320 m

22 mm Spirex

● RAL 7035	Coil	GUS22G			27,0 mm	22 mm	30 m	2 400 m

25 mm Spirex

● RAL 7035	Coil	GUS25G			30,6 mm	25 mm	30 m	2 100 m
● RAL 9005	Coil	GUS25N			30,6 mm	25 mm	30 m	2 100 m

28 mm Spirex

● RAL 7035	Coil	GUS28G			33,5 mm	28 mm	30 m	1 950 m

32 mm Spirex

				⊘	⊘	◎	⊞
● RAL 7035	Coil	GUS32G		38,0 mm	32 mm	30 m	1 800 m
● RAL 9005	Coil	GUS32N		38,0 mm	32 mm	30 m	1 800 m

35 mm Spirex

				⊘	⊘	◎	⊞
● RAL 7035	Coil	GUS35G		41,0 mm	35 mm	30 m	1 440 m

40 mm Spirex

				⊘	⊘	◎	⊞
● RAL 7035	Coil	GUS40G		46,4 mm	40 mm	30 m	1 440 m

50 mm Spirex

				⊘	⊘	◎	⊞
● RAL 7035	Coil	GUS50G		57,2 mm	50 mm	30 m	660 m

60 mm Spirex

				⊘	⊘	◎	⊞
● RAL 7035	Coil	GUS60G		68,0 mm	60 mm	30 m	300 m

Spirex RAG/RAI/RAP

Fittings for Spirex 2311 and box connection.
They are compliant with the European standards EN 61386.1 and EN 61386.23 and they are grey (RAL 7035). These articles are available also in black colour: the code changes, by replacing the final letter G with "N".
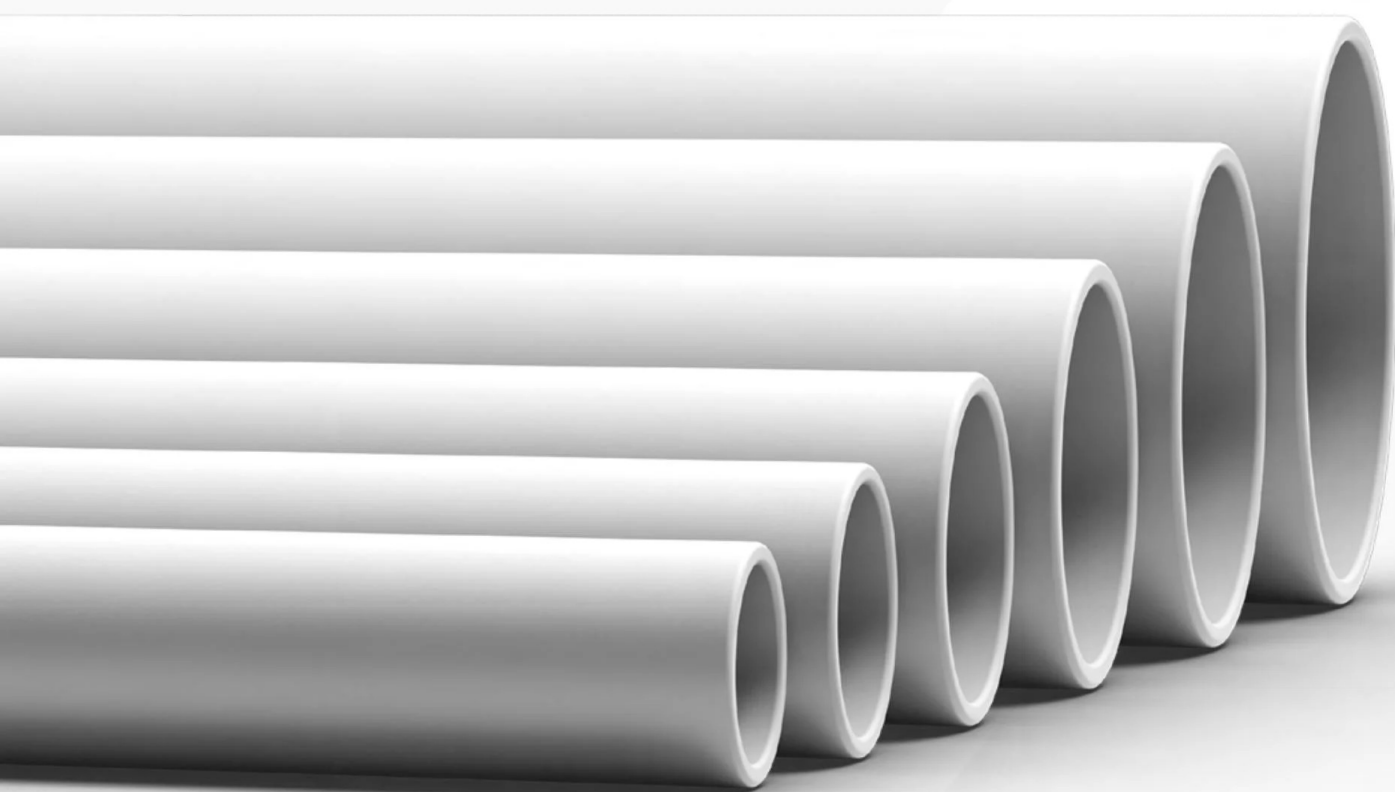
> ❯ IP65

> ❯ Grey (RAL 7035)

> ❯ Available also in black colour

SPECIFICATION

Material	PVC
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against water jets - (5)
IP protection rating	IP65
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.23, EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

Spirex RAG/RAI/RAP

	Gas lead	Metric lead	PG lead	for Spirex	
RAL 7035	RAG10G 1/4"	RAI12G 12X1,5	RAP10PG9	10 mm	25 pcs
RAL 7035	RAG12G 3/8"	RAI16G 16X1,5	RAP12PG11 RAP12PG13	12 mm	25 pcs
RAL 7035	RAG14G 1/2"		RAP14PG13	14 mm	25 pcs
RAL 7035	RAG16G 1/2"	RAI20G 20X1,5	RAP16PG13 RAP16PG16	16 mm	25 pcs
RAL 7035	RAG20G 3/4"	RAI25G 25X1,5	RAP20PG21	20 mm	25 pcs
RAL 7035	RAG22G 3/4"		RAP22PG21	22 mm	25 pcs
RAL 7035	RAG25G 1"	RAI32G 32X1,5	RAP25PG29	25 mm	10 pcs
RAL 7035	RAG28G 1"		RAP28PG29	28 mm	10 pcs
RAL 7035	RAG32G 1,1/4"	RAI40G 40X1,5	RAP32PG36	32 mm	10 pcs
RAL 7035	RAG35G 1,1/4"		RAP35PG36	35 mm	10 pcs
RAL 7035	RAG40G 1,1/2"	RAI50G 50X1,5		40 mm	10 pcs
RAL 7035	RAG50G 2"	RAI63G 63X1,5		50 mm	10 pcs

xRigid

A complete range of rigid pipes for all types of installations

The xRigid range includes several different types of rigid installation pipes with different strengths to suit all types of installations. We have Halogen Free pipes, medium and light class, anti-uv, and PVC pipes.
The pipes can be bent using a standard bendable spring. A complete range of accessories for rigid pipes is available under our segment xInstall, for a consistent and complete installation.

xRigid - Rigid Pipes

RIGID IRLHF 33431 Anti-UV
Medium Class

UV RESISTANT · RoHS COMPLIANT · HALOGEN FREE · FLAME RETARDANT · PREFAB USE · CHASED FITTING · CONCRETE INFUSIBLE · INDOOR USE · OUTDOOR USE

10 YEARS ANTI-UV

Rigid Pipes HF UV 750N

Anti-UV rigid pipes resistant to UV rays and atmospheric agents, suitable for outdoor installations and photovoltaic systems directly exposed to sunlight.
The pipes are approved for installation within -25°C to 105°C and they are also ecological: Halogen Free according to European standard EN 50642.

APPLICATIONS

Outdoor	✓	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✓	False ceiling - Movable wall	✓
Liquid screed and concrete*	✓	Prefab - Wood panels	✓

* To be used with connectors IP67 only (PM "smart line").

CHARACTERISTICS

Anti-UV	EN 50618:2015-12
LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

IRLHFUV	33431
Material	Polyolefin
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK10, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Rigid - (1)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓓ Ⓕ Ⓗ Ⓝ Ⓢ

16 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV16		16 mm	12,0 mm	3 m	102 m	7 854 m

20 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV20		20 mm	15,5 mm	3 m	102 m	4 590 m

25 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV25		25 mm	20,4 mm	3 m	60 m	3 240 m

32 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV32		32 mm	27,4 mm	3 m	30 m	1 890 m

40 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV40		40 mm	34,7 mm	3 m	30 m	1 200 m

50 mm Rigid Pipes HF UV 750N

			⌀	⌀	▭	🗄	⊞
● RAL 9004	IRLHFUV50		50 mm	44,2 mm	3 m	15 m	600 m

RoHS COMPLIANT · HALOGEN FREE · FLAME RETARDANT · PREFAB USE · CHASED FITTING · CONCRETE INFUSIBLE · INDOOR USE

Rigid Pipes HF 750N

Medium class rigid pipes made in polyolefin and ecological: Halogen Free according to European standard EN 50642. They are ideal for exposed eco-compatible installations (interior walls and ceilings) and they are hot bendable for diameter 16, 20 and 25 mm with bending spring MOPI. The colour of the pipes is light grey (RAL 7035).

APPLICATIONS

Outdoor	✗	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✓	False ceiling - Movable wall	✓
Liquid screed and concrete*	✓	Prefab - Wood panels	✓

* To be used with connectors IP67 only (PM "smart line").

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

IRLHF	33431
Material	Polyolefin
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK10, EN 62262) - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Rigid - (1)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓓ Ⓕ Ⓜ Ⓝ Ⓢ

16 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF16		16 mm	12,0 mm	3 m	102 m	7 854 m

20 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF20		20 mm	15,5 mm	3 m	102 m	4 590 m

25 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF25		25 mm	20,4 mm	3 m	60 m	3 240 m

32 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF32		32 mm	27,4 mm	3 m	30 m	1 890 m

40 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF40		40 mm	34,7 mm	3 m	30 m	1 200 m

50 mm Rigid Pipes HF 750N

			⌀	⌀	▭		⊞
● RAL 7035	IRLHF50		50 mm	44,2 mm	3 m	15 m	600 m

Rigid Pipes HF 320N

Light class rigid pipes made in polyolefin and ecological: Halogen Free according to European standard EN 50642. They are ideal for exposed eco-compatible installations (interior walls and ceilings) and they are hot bendable for diameter 16, 20 and 25 mm with bending spring MOPI. The colour of the pipes is white (RAL 9003).

APPLICATIONS

Outdoor	✗	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✗
Exposed Installation	✓	False ceiling - Movable wall	✓
Liquid screed and concrete	✗	Prefab - Wood panels	✓

CHARACTERISTICS

LS - Low Smoke	IEC 61034-2
HF - Halogen Free	EN 50642
0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

IRSHF	23431
Material	Polyolefin
Compression resistance	320N (23°C, +/-2°C) - Light - (2)
Resistance to impact	2J - Medium - (3)
Min. operating temperature	-25°C - (4)
Max. operating temperature	+105°C - (3)
Bending resistance	Rigid - (1)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE Ⓓ ⑪ ⑭ Ⓝ Ⓢ

16 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF16		16 mm	13,0 mm	3 m	102 m	7 854 m

20 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF20		20 mm	17,0 mm	3 m	102 m	4 590 m

25 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF25		25 mm	21,0 mm	3 m	60 m	3 240 m

32 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF32		32 mm	28,0 mm	3 m	30 m	1 890 m

40 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF40		40 mm	36,0 mm	3 m	30 m	1 200 m

50 mm Rigid Pipes HF 320N

			⊘	⊘	▭	🗄	▦
○ RAL 9003	IRSHF50		50 mm	45,0 mm	3 m	15 m	600 m

RoHS COMPLIANT **FLAME RETARDANT** **PREFAB USE** **CHASED FITTING** **CONCRETE INFUSIBLE** **INDOOR USE**

Rigid Pipes PVC 750N

Medium class rigid pipes made in PVC. They are ideal for all exposed installations (interior walls and ceilings) and they are cold bendable for diameter 16, 20 and 25 mm with bending spring MOPI. The colour of the pipes is light grey (RAL 7035).

APPLICATIONS			
Outdoor	✗	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✓
Exposed Installation	✓	False ceiling - Movable wall	✓
Liquid screed and concrete*	✓	Prefab - Wood panels	✓

* To be used with connectors IP67 only (PM "smart line").

CHARACTERISTICS	
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION	
IRL	33211
Material	PVC
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	2J (IK07, EN 62262) - Medium - (3)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+60°C - (1)
Bending resistance	Rigid - (1)
Insulation resistance	>100MΩ
Glow Wire Test (IEC EN 60695-2)	960°C
Quality marking	CE ⓨ NF 696

16 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL16		16 mm	13,0 mm	3 m	60 m	2 880 m
● RAL 7035	IRL16FB	Glass shaped	16 mm	13,0 mm	3 m	75 m	3 600 m

20 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL20		20 mm	17,1 mm	3 m	60 m	2 100 m
● RAL 7035	IRL20FB	Glass shaped	20 mm	17,1 mm	3 m	51 m	3 060 m

25 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL25		25 mm	21,7 mm	3 m	48 m	1 200 m
● RAL 7035	IRL25FB	Glass shaped	25 mm	21,7 mm	3 m	51 m	1 836m

32 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL32		32 mm	28,2 mm	3 m	30 m	750 m
● RAL 7035	IRL32FB	Glass shaped	32 mm	28,2 mm	3 m	30 m	1 830 m

40 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL40		40 mm	36,2 mm	3 m	30 m	450 m
● RAL 7035	IRL40FB	Glass shaped	40 mm	36,2 mm	3 m	21 m	1 323 m

50 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL50		50 mm	45,7 mm	3 m	15 m	300 m
● RAL 7035	IRL50FB	Glass shaped	50 mm	45,7 mm	3 m	15 m	840 m

63 mm Rigid Pipes PVC 750N

			⌀	⌀	▭	📦	▦
● RAL 7035	IRL63		63 mm	56,0 mm	3 m	9 m	-
● RAL 7035	IRL63FB	Glass shaped	63 mm	56,0 mm	3 m	9 m	-

Rigid Pipes PVC 320N

Light class rigid pipes made in PVC. They are ideal for exposed installations. The colour of the pipes is light grey (RAL 7035).

APPLICATIONS			
Outdoor	✗	Chased wall - Plasterboard	✓
Indoor	✓	Chased floor	✗
Exposed Installation*	✓	False ceiling - Movable wall	✓
Liquid screed and concrete	✗	Prefab - Wood panels	✓

* Check local regulations.

CHARACTERISTICS	
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22
Packed with 100% recyclable PE film	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION	
IRS	22211
Material	PVC
Compression resistance	320N (23°C, +/- 2°C) - Light - (2)
Resistance to impact	1J - Light - (2)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+60°C - (1)
Bending resistance	Rigid - (1)
Insulation resistance	>100MΩ
Quality marking	CE ÖVE

16 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS16		16 mm	13,0 mm	3 m	102 m	3 060 m
● RAL 7035	IRS16FB	Glass shaped	16 mm	13,0 mm	3 m	75 m	6 600 m

20 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS20		20 mm	17,1 mm	3 m	102 m	2 040 m
● RAL 7035	IRS20FB	Glass shaped	20 mm	17,1 mm	3 m	51 m	4 488 m

25 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS25		25 mm	21,7 mm	3 m	60 m	1 200 m
● RAL 7035	IRS25FB	Glass shaped	25 mm	21,7 mm	3 m	51 m	3 213 m

32 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS32		32 mm	28,2 mm	3 m	30 m	750 m
● RAL 7035	IRS32FB	Glass shaped	32 mm	28,2 mm	3 m	30 m	1 830 m

40 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS40		40 mm	36,2 mm	3 m	30 m	450 m
● RAL 7035	IRS40FB	Glass shaped	40 mm	36,2 mm	3 m	21 m	1 323 m

50 mm Rigid Pipes PVC 320N

			⌀	⌀	▭	🔋L	▦
● RAL 7035	IRS50		50 mm	45,7 mm	3 m	15 m	300 m
● RAL 7035	IRS50FB	Glass shaped	50 mm	45,7 mm	3 m	15 m	840 m

xGround

Conduits for electric underground installations

The xGround range includes double wall conduits that protect electrical cables in underground installations.

xGround - Underground Line

35222

COLOURS

xGround NOV'IK10

Double wall underground conduit, made in polyethylene, ideal for installation and protection of cables and electrical conductors in buildings and housing.
Resistance to impact: 20J = IK10. Protection index: IP54, with couplings.
The conduit is smooth inside and corrugated outside, and it is flame retardant: suitable for exposed installations or in concealed spaces. Available from 40 mm to 90 mm diameter, with wire and with coupling. Compliant with CCTP established by EDF (sheaths/couplings/conduits of 01/01/2006). Colour: black/grey.

CHARACTERISTICS

Installations standards	NF C 15-100, NF C 14-100
Compliant with CCTP established by EDF	Yes
Compliant with Low Voltage Directive	LVD 2014/35/EU
Fire resistance: non-flame propagating	EN 61386.1, EN 61386.22

SPECIFICATION

	35222
Material	Polyethylene
Compression resistance	750N (23°C, +/- 2°C) - Medium - (3)
Resistance to impact	20,4J (IK10, EN 62262) - Extra heavy - (5)
Min. operating temperature	-5°C - (2)
Max. operating temperature	+90°C - (2)
Bending resistance	Pliable - (2)
Insulation resistance	>100MΩ
Quality marking	CE NF

40 mm xGround NOV'IK10

				Tolerances (mm)	
◐	NIK04025	40 mm	31,5 mm	-0,0/+0,8	25 m

50 mm xGround NOV'IK10

				Tolerances (mm)	
◐	NIK05025	50 mm	40,0 mm	-0,0/+1,0	25 m

63 mm xGround NOV'IK10

				Tolerances (mm)	
◐	NIK06325	63 mm	52,0 mm	-0,0/+1,2	25 m

75 mm xGround NOV'IK10

				Tolerances (mm)	
◐	NIK07525	75 mm	61,0 mm	-0,0/+1,4	25 m

90 mm xGround NOV'IK10

				Tolerances (mm)	
◐	NIK09025	90 mm	75,0 mm	-0,0/+1,7	25 m

COLOURS

xGround NR

The NR double wall conduit is a high density polyethylene conduit designed to protect wires and telephone cables in underground installations and it has a chemical resistance to acidic and basic substances, hydrocarbons, detergents, flammable substances and water. It is made up of two tubular elements: one external corrugated element and one internal smooth element. The conduit is to be used with compatible accessories MN and PCC and it complies to the standard EN 61386.1 - EN 61386.24.

CHARACTERISTICS

Standards	EN 61386.1 - EN 61386.24
Compliant with Low Voltage Directive	LVD 2014/35/EU

SPECIFICATION

Material	High density polyethylene
Compression resistance	> 450N (on 5 cm, at +23°C)
Resistance to impact	Normal (5Kg -5°C h=variable depending on the diameter)
Fire resistance	Not necessary, because the conduits are underground
Quality marking	CE ⑭

40 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR040		40 mm	34,0 mm	50 m	0,18 m³
●	NRV040		40 mm	34,0 mm	50 m	0,18 m³

50 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR050		50 mm	42,0 mm	50 m	0,30 m³
●	NRV050		50 mm	42,0 mm	50 m	0,30 m³

63 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR063		63 mm	52,0 mm	50 m	0,43 m³
●	NRV063		63 mm	52,0 mm	50 m	0,43 m³

75 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR075		75 mm	63,0 mm	50 m	0,59 m³

90 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR090		90 mm	77,0 mm	50 m	0,77 m³

110 mm xGround NR

			⌀	⌀	◎	Roll volume
●	NR110		110 mm	93,0 mm	50 m	1,18 m³

PCC

Polypropylene well for NR conduit, with wheel bearing cover equipped by removal handle to simplify opening and closing. It is compliant with Low Voltage Directive (LVD 2014/35/EU).

Art. code	⌀	Charge resistance	
		kN	kg
PCC20	200 * 200	15	1 500
PCC30	300 * 300	15	1 500
PCC40	400 * 400	15	1 500
PCC50	550 * 550	15	1 500
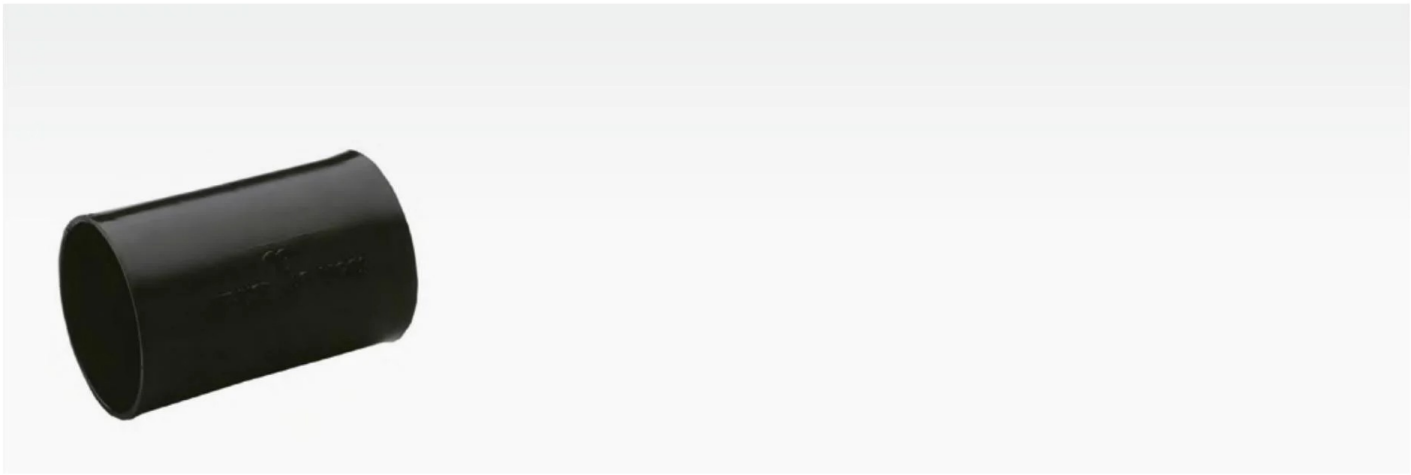
MN

Coupling for NR Conduit.

Art. code	⌀	Art. code	⌀
MN40	40 mm	MN110	110 mm
MN50	50 mm	MN125	125 mm
MN63	63 mm	MN140	140 mm
MN75	75 mm	MN160	160 mm
MN90	90 mm	MN200	200 mm

Our accessories facilitate and complement your installations.

The accessories of our xInstall range facilitate and allow to create complete installations. We have high quality accessories for pre-wired conduits, flexible conduits and rigid pipes.

ACCESSORIES FOR PLIABLE CONDUITS AND RIGID PIPES

SML Anti-UV

Anti-UV couplings with clip for the connection of pliable conduits and rigid pipes. They are eco-friendly: Low Smoke Flame retardant Zero Halogen (LSF0H).

- › UV-resistant and weather resistant
- › IP65 for pliable conduits
- › IP40 for rigid pipes
- › LSF0H

SPECIFICATION

Anti-UV	EN 50618:2015-12
Material	Ecological polypropylene
Resistance to the penetration of solid objects (pliable conduits)	Dust-tight - (6)
Resistance to water penetration (pliable conduits)	Protected against water jets - (5)
Resistance to the penetration of solid objects (rigid pipes)	Protected against solid objects of diam. =/> 1.0 mm - (4)
Resistance to water penetration (rigid pipes)	No protection - (0)
IP protection rating	IP65 (pliable conduits) - IP40 (rigid pipes)
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.22
LS - Low Smoke, 0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE Ⓢ

Anti-UV couplings with clip

	Art. code	⌀		
● RAL 9004	SML16N	16 mm	50 pcs	600 pcs
● RAL 9004	SML20N	20 mm	50 pcs	500 pcs
● RAL 9004	SML25N	25 mm	25 pcs	300 pcs
● RAL 9004	SML32N	32 mm	25 pcs	200 pcs
● RAL 9004	SML40N	40 mm	10 pcs	180 pcs
● RAL 9004	SML50N	50 mm	10 pcs	90 pcs

SML

Couplings with clip for the connection of pliable conduits. They are coloured and transparents: different colour for each diameter and transparency for an easy control of the conduits junction. The couplings are ideal for installations in cement and concrete and they are eco-friendly: Low Smoke Flame retardant Zero Halogen (LSF0H).

> IP65

> LSF0H

> Transparent

> A different colour for each diameter

SPECIFICATION

Material	Ecological polypropylene
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against water jets - (5)
IP protection rating	IP65
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.22
LS - Low Smoke, 0H - Zero Halogen	IEC 60754-1, IEC 60754-2
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE Ⓢ

Couplings with clip SML

		Art. code	⌀	ooo	▱
●	Transparent	SML16	16 mm	50 pcs	600 pcs
○	Transparent	SML20	20 mm	50 pcs	500 pcs
●	Transparent	SML25	25 mm	25 pcs	300 pcs
●	Transparent	SML32	32 mm	25 pcs	200 pcs
●	Transparent	SML40	40 mm	10 pcs	180 pcs
●	Transparent	SML50	50 mm	10 pcs	90 pcs

MCR

Inspectable couplings "open&close" for the connection of pliable conduits.

They are also useful for protecting slightly damaged conduits and they are ecological: Low Smoke Flame retardant Zero Halogen (LSF0H). The colour is grey (RAL 7035).

› IP50

› LSF0H

› Made of ecological PP

› Inspectable: easy to close, easy to re-open

SPECIFICATION

Material	Ecological polypropylene
Resistance to the penetration of solid objects	Dust protected – (5)
Resistance to water penetration	No protection – (0)
IP protection rating	IP50
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.22
LS – Low Smoke, 0H – Zero Halogen	IEC 60754-1, IEC 60754-2
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

Inspectable coupling MCR

	Art. code	⊘		
RAL 7035	MCR16	16 mm	50 pcs	800 pcs
RAL 7035	MCR20	20 mm	50 pcs	800 pcs
RAL 7035	MCR25	25 mm	40 pcs	640 pcs
RAL 7035	MCR32	32 mm	20 pcs	320 pcs

MFL

Couplings for the connection of pliable conduits.
They are Halogen Free according to European Standard
EN 50642 and they are made of ecological polypropylene.
The couplings are transparent.

> IP44

> Halogen Free

> Made of ecological PP

> Transparent

SPECIFICATION

Material	Ecological polypropylene
Resistance to the penetration of solid objects	Protected against the ingress of solid objects of diam. =/> 1.0 mm - (4)
Resistance to water penetration	Protected against water splashes - (4)
IP protection rating	IP44
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.22
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⊕ ⑭ NF OVE ⑤

HF Coupling MFL

		Art. code	⌀	⸭	▱
○	Transparent	MFL16	16 mm	100 pcs	2 000 pcs
○	Transparent	MFL20	20 mm	100 pcs	1 200 pcs
○	Transparent	MFL25	25 mm	50 pcs	700 pcs
○	Transparent	MFL32	32 mm	25 pcs	400 pcs
○	Transparent	MFL40	40 mm	-	300 pcs
○	Transparent	MFL50	50 mm	-	100 pcs

Cable drawer MON

Nylon cable drawer for pliable conduits. Available with diameters 3 and 4 mm.

Cable drawer MON			
⚙	Material	Art. code	Length
○ Transparent	Nylon	MON3 5	5 m
○ Transparent	Nylon	MON3 10	10 m
○ Transparent	Nylon	MON3 15	15 m
○ Transparent	Nylon	MON3 20	20 m
○ Transparent	Nylon	MON3 25	25 m
○ Transparent	Nylon	MON3 30	30 m

Cable drawer MON			
⚙	Material	Art. code	Length
○ Transparent	Nylon	MON 5	5 m
○ Transparent	Nylon	MON 10	10 m
○ Transparent	Nylon	MON 15	15 m
○ Transparent	Nylon	MON 20	20 m
○ Transparent	Nylon	MON 25	25 m
○ Transparent	Nylon	MON 30	30 m

Cable puller STCX

Helical PET cable puller, diameter 4 mm. Flexible head with rounded loop for easy sliding, large traction buttonhole in the opposite terminal and traction resistance above 1000 N (102 Kgf). It is flexible and resistant, it passes the 4-curve circuit test.

Cable puller STCX					
⚙	Art. code	⌀	Length	⚙	⬡
●	STCX10	4 mm	10 m	1 pcs	50 pcs
●	STCX15	4 mm	15 m	1 pcs	40 pcs
●	STCX20	4 mm	20 m	1 pcs	30 pcs

PM SMART - MK

Tight couplings for the connection of two rigid pipes. They are dust-tight and protected against the effects of temporary immersion in water. The couplings are also eco-friendly: Halogen Free according to European Standard EN 50642. Colour: grey (RAL 7035).

› IP67

› Halogen Free

› Grey (RAL 7035)

SPECIFICATION

Material	Polycarbonate
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against the effects of temporary immersion in water - (7)
IP protection rating	IP67
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423, IEC 61034-2
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

PM SMART Coupling MK

	Art. code	⌀		
● RAL 7035	MK16	16 mm	10 pcs	200 pcs
● RAL 7035	MK20	20 mm	10 pcs	200 pcs
● RAL 7035	MK25	25 mm	10 pcs	160 pcs
● RAL 7035	MK32	32 mm	10 pcs	100 pcs
● RAL 7035	MK40	40 mm	5 pcs	50 pcs
● RAL 7035	MK50	50 mm	5 pcs	30 pcs

PM SMART - CK

90° tight bends for the connection of two rigid pipes. They are dust-tight and protected against the effects of temporary immersion in water. The bends are also eco-friendly: Halogen Free according to European Standard EN 50642. Colour: grey (RAL 7035).

> IP67

> Halogen Free

> Grey (RAL 7035)

SPECIFICATION

Material	Polycarbonate
Resistance to the penetration of solid objects	Dust-tight – (6)
Resistance to water penetration	Protected against the effects of temporary immersion in water – (7)
IP protection rating	IP67
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423, IEC 61034-2
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⑭

PM SMART Bend CK

	Art. code	⌀	░	▱
● RAL 7035	CK16	16 mm	10 pcs	200 pcs
● RAL 7035	CK20	20 mm	10 pcs	200 pcs
● RAL 7035	CK25	25 mm	10 pcs	160 pcs
● RAL 7035	CK32	32 mm	10 pcs	100 pcs
● RAL 7035	CK40	40 mm	5 pcs	50 pcs
● RAL 7035	CK50	50 mm	5 pcs	30 pcs

PM SMART - BK

Tight couplings for the connection of rigid pipes with junction boxes. They are dust-tight and protected against the effects of temporary immersion in water. The couplings are also eco-friendly: Halogen Free according to European Standard EN 50642. Colour: grey (RAL 7035).

› IP67

› Halogen Free

› Grey (RAL 7035)

SPECIFICATION

Material	Polycarbonate
Resistance to the penetration of solid objects	Dust-tight – (6)
Resistance to water penetration	Protected against the effects of temporary immersion in water – (7)
IP protection rating	IP67
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423, IEC 61034-2
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE Ⓜ

PM SMART Coupling pipe-box BK

	Art. code	⌀		
RAL 7035	BK16	16 mm	10 pcs	240 pcs
RAL 7035	BK20	20 mm	10 pcs	240 pcs
RAL 7035	BK25	25 mm	10 pcs	200 pcs
RAL 7035	BK32	32 mm	10 pcs	100 pcs
RAL 7035	BK40	40 mm	5 pcs	60 pcs
RAL 7035	BK50	50 mm	5 pcs	40 pcs

PM SMART - RK

Tight couplings for the connection of rigid pipes with Spirex spiralled sheath 2311. They are dust-tight and protected against strong water jets. The couplings are also eco-friendly: Halogen Free according to European Standard EN 50642. Colour: grey (RAL 7035).

› IP66

› Halogen Free

› Grey (RAL 7035)

SPECIFICATION

Material	Polycarbonate
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against strong water jets - (6)
IP protection rating	IP66
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423, IEC 61034-2
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⑭

PM SMART Coupling pipe-spirex RK

	Art. code	⌀		
RAL 7035	RK16	16 mm	10 pcs	240 pcs
RAL 7035	RK20	20 mm	10 pcs	240 pcs
RAL 7035	RK25	25 mm	10 pcs	200 pcs
RAL 7035	RK32	32 mm	10 pcs	100 pcs
RAL 7035	RK40	40 mm	5 pcs	60 pcs
RAL 7035	RK50	50 mm	5 pcs	40 pcs

MAGHF

Couplings for the connection of two rigid pipes.
Eco-friendly: Halogen Free according to European Standard EN 50642.

> › IP40

> › Halogen Free

SPECIFICATION

Material	Polypropylene
Resistance to the penetration of solid objects	Protected against solid objects with a diameter =/> 1.0 mm - (4)
Resistance to water penetration	No protection - (0)
IP protection rating	IP40
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⑩ NF

Coupling MAGHF

	Art. code	⌀		
● RAL 7035	MAGHF16	16 mm	100 pcs	1 200 pcs
● RAL 7035	MAGHF20	20 mm	100 pcs	800 pcs
● RAL 7035	MAGHF25	25 mm	50 pcs	600 pcs
● RAL 7035	MAGHF32	32 mm	25 pcs	300 pcs
● RAL 7035	MAGHF40	40 mm	20 pcs	160 pcs
● RAL 7035	MAGHF50	50 mm	20 pcs	120 pcs

Coupling MABHF

	Art. code	⌀		
○ RAL 9003	MABHF16	16 mm	100 pcs	1 200 pcs
○ RAL 9003	MABHF20	20 mm	100 pcs	800 pcs
○ RAL 9003	MABHF25	25 mm	50 pcs	600 pcs
○ RAL 9003	MABHF32	32 mm	25 pcs	300 pcs
○ RAL 9003	MABHF40	40 mm	20 pcs	160 pcs
○ RAL 9003	MABHF50	50 mm	20 pcs	120 pcs

CUGHF

90° bends for the connection of two rigid pipes.
Eco-friendly: Halogen Free according to European Standard
EN 50642.

> IP40

> Halogen Free

SPECIFICATION

Material	Polypropylene
Resistance to the penetration of solid objects	Protected against solid objects with a diameter =/> 1.0 mm - (4)
Resistance to water penetration	No protection - (0)
IP protection rating	IP40
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60754-1, EN 60754-2, EN 60423
Halogen Free	EN 50642
Glow Wire Test (IEC EN 60695-2)	960°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⊕ NF

Bend CUGHF

	Art. code	⊘	⬡	□
● RAL 7035	CUGHF16	16 mm	50 pcs	800 pcs
● RAL 7035	CUGHF20	20 mm	50 pcs	400 pcs
● RAL 7035	CUGHF25	25 mm	25 pcs	200 pcs
● RAL 7035	CUGHF32	32 mm	25 pcs	150 pcs
● RAL 7035	CUGHF40	40 mm	15 pcs	60 pcs
● RAL 7035	CUGHF50	50 mm	10 pcs	40 pcs

Bend CUBHF

	Art. code	⊘	⬡	□
○ RAL 9003	CUBHF16	16 mm	50 pcs	800 pcs
○ RAL 9003	CUBHF20	20 mm	50 pcs	400 pcs
○ RAL 9003	CUBHF25	25 mm	25 pcs	200 pcs
○ RAL 9003	CUBHF32	32 mm	25 pcs	150 pcs
○ RAL 9003	CUBHF40	40 mm	15 pcs	60 pcs
○ RAL 9003	CUBHF50	50 mm	10 pcs	40 pcs
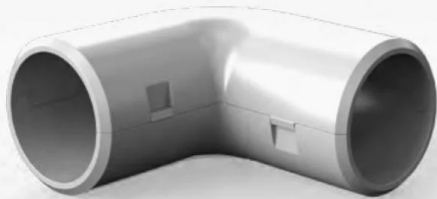
CI

90° inspectionable bend for the connection of two rigid pipes.

> IP40

> PVC

SPECIFICATION

Material	PVC
Resistance to the penetration of solid objects	Protected against solid objects with a diameter =/> 1.0 mm - (4)
Resistance to water penetration	No protection - (0)
IP protection rating	IP40
Fire resistance: non-flame propagating	Yes
Standard	EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

Inspectionable bend CI

	Art. code	⌀		
● RAL 7035	CI16G	16 mm	50 pcs	1 000 pcs
● RAL 7035	CI20G	20 mm	50 pcs	600 pcs
● RAL 7035	CI25G	25 mm	50 pcs	400 pcs
● RAL 7035	CI32G	32 mm	20 pcs	200 pcs
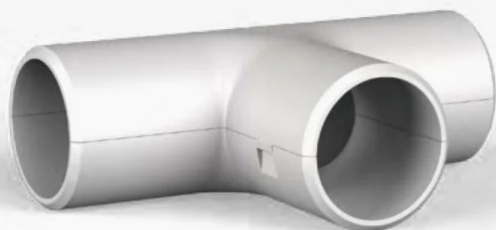
TI

Inspectionable T joint for the connection of three rigid pipes.

> IP40

> PVC

SPECIFICATION

Material	PVC
Resistance to the penetration of solid objects	Protected against solid objects with a diameter =/> 1.0 mm - (4)
Resistance to water penetration	No protection - (0)
IP protection rating	IP40
Fire resistance: non-flame propagating	Yes
Standard	EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

T Joint

		Art. code	⌀		
●	RAL 7035	TI16G	16 mm	50 pcs	600 pcs
●	RAL 7035	TI20G	20 mm	50 pcs	400 pcs
●	RAL 7035	TI25G	25 mm	25 pcs	250 pcs
●	RAL 7035	TI32G	32 mm	20 pcs	160 pcs
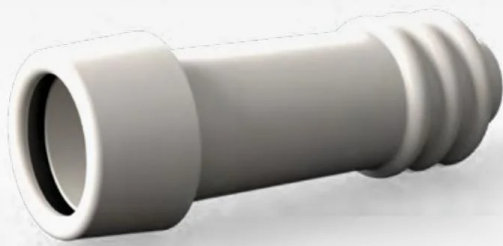
GS

Tight fittings for the connection of rigid pipes with Spirex spiralled sheath 2311.
They are dust-tight and protected against water jets.

› IP65

› PVC

SPECIFICATION

Material	PVC
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against water jets - (5)
IP protection rating	IP65
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE ⊕

Fitting pipe-spirex GS

	Art. code	⊘ Pipe	⊘ Spirex	⚬	▱
⚬ RAL 7035	GS16	16 mm	12 mm	50 pcs	800 pcs
⚬ RAL 7035	GS20	20 mm	16 mm	50 pcs	600 pcs
⚬ RAL 7035	GS25	25 mm	20 mm	50 pcs	400 pcs
⚬ RAL 7035	GS32	32 mm	25 mm	25 pcs	200 pcs
⚬ RAL 7035	GS40	40 mm	32 mm	20 pcs	160 pcs
⚬ RAL 7035	GS50	50 mm	40 mm	15 pcs	120 pcs

CXT

Flexible tight bends for the connection of two rigid pipes. They are dust-tight and protected against water jets.

> IP65

> PVC

SPECIFICATION

Material	PVC
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against water jets - (5)
IP protection rating	IP65
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

Flex bend pipe-pipe CXT				
	RAL 7035	Art. code	⌀	⬚
●	RAL 7035	CXT16	16 mm	50 pcs
●	RAL 7035	CXT20	20 mm	50 pcs
●	RAL 7035	CXT25	25 mm	50 pcs
●	RAL 7035	CXT32	32 mm	25 pcs
●	RAL 7035	CXT40	40 mm	25 pcs
●	RAL 7035	CXT50	50 mm	15 pcs

CXS

Flexible tight bends for the connection of rigid pipes with junction boxes. They are dust-tight and protected against water jets.

> IP65

> PVC

SPECIFICATION

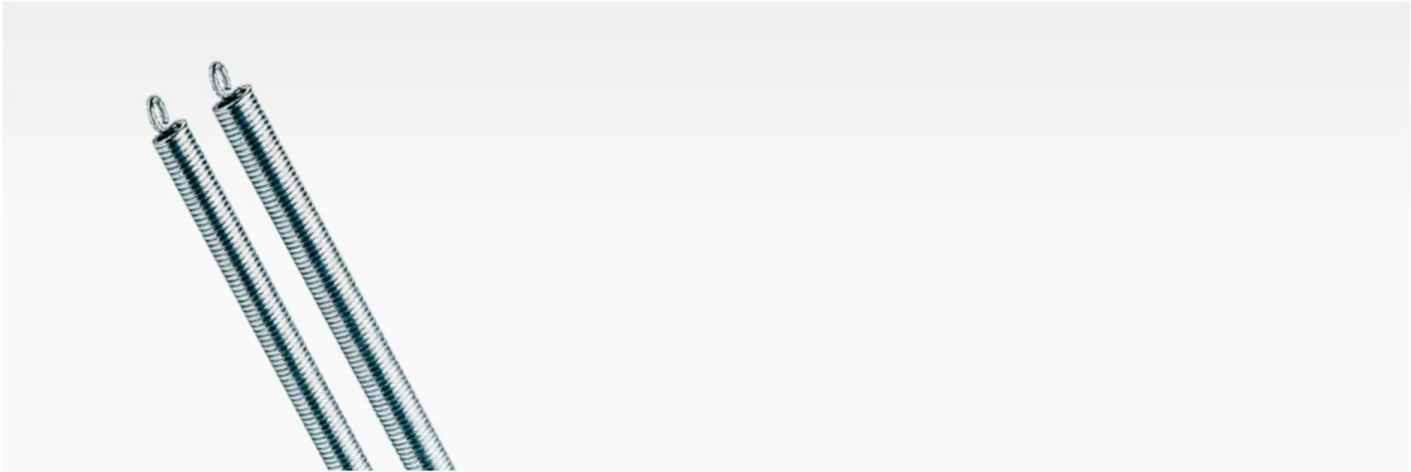|	
Material	PVC
Resistance to the penetration of solid objects	Dust-tight - (6)
Resistance to water penetration	Protected against water jets - (5)
IP protection rating	IP65
Fire resistance: non-flame propagating	Yes
Standard	EN 61386.1, EN 61386.21, EN 60423
Glow Wire Test (IEC EN 60695-2)	750°C
Compliant with Low Voltage Directive	LVD 2014/35/EU
Quality marking	CE

Flex bend pipe-box CXS

	Art. code	⌀	
RAL 7035	CXS16	16 mm	50 pcs
RAL 7035	CXS20	20 mm	50 pcs
RAL 7035	CXS25	25 mm	25 pcs
RAL 7035	CXS32	32 mm	25 pcs
RAL 7035	CXS40	40 mm	25 pcs
RAL 7035	CXS50	50 mm	15 pcs

MOPI

Bendalbe spring made of steel and used for rigid pipes.
At one end of the spring there is a loop that you should tie a
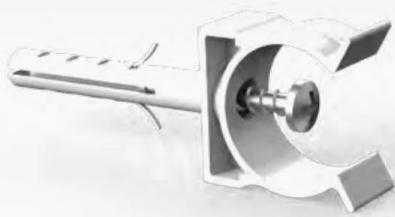longer and stronger thread to be able to pull it out more easily
after you have bent the pipe.

Bendable spring MOPI			
⚙	Art. code	⌀	☰
● RAL 7037	MOPI16	16 mm	Steel
● RAL 7037	MOPI20	20 mm	Steel
● RAL 7037	MOPI20X*	20 mm	Steel
● RAL 7037	MOPI25	25 mm	Steel
● RAL 7037	MOPI25X*	25 mm	Steel
● RAL 7037	MOPI32	32 mm	Steel

* For IRLHF - IRSHF pipes.

RoHS COMPLIANT

CT

Click clip with plug and screw to fix rigid pipes.
Made of thermoplastic material.

	Clip plug-screw CT				
⬡	Art. code	⊘	⊘ Plug	⚬	⬡
● RAL 7035	CT16G	16 mm	6 mm	100 pcs	1 000 pcs
● RAL 7035	CT20G	20 mm	6 mm	100 pcs	1 000 pcs
● RAL 7035	CT25G	25 mm	6 mm	100 pcs	800 pcs
● RAL 7035	CT32G	32 mm	8 mm	50 pcs	400 pcs

RoHS COMPLIANT

C

Clamp clip to fix rigid pipes with Spirex 2311.
Made in PVC.

	Clamp clip pipe-spirex C				
⬡	Art. code	from ⊘	to ⊘	⚬	⬡
● RAL 7035	C12	12 mm	20 mm	100 pcs	1 400 pcs
● RAL 7035	C25	23 mm	35 mm	100 pcs	500 pcs

CFC

Fixing tie clip to fix rigid pipes.
Made of thermoplastic material and eco-friendly:
Halogen Free according to European Standard
EN 50642.

Fixing tie clip CFC				
⊛	Art. code	⌀	⬗	▱
● RAL 7035	CFC16G	16 mm	100 pcs	1 000 pcs
● RAL 7035	CFC20G	20 mm	100 pcs	1 000 pcs
● RAL 7035	CFC25G	25 mm	100 pcs	800 pcs
● RAL 7035	CFC32G	32 mm	50 pcs	500 pcs
● RAL 7035	CFC40G	40 mm	50 pcs	400 pcs
● RAL 7035	CFC50G	50 mm	25 pcs	250 pcs

CF

Fixing click clip to fix rigid pipes.
Made of polyamide and eco-friendly: Halogen Free
according to European Standard EN 50642.

Clip CF				
⊛	Art. code	⌀	⬗	▱
● RAL 7035	CF16G	16 mm	100 pcs	1 000 pcs
● RAL 7035	CF20G	20 mm	100 pcs	1 000 pcs
● RAL 7035	CF25G	25 mm	100 pcs	1 000 pcs
● RAL 7035	CF32G	32 mm	100 pcs	800 pcs
● RAL 7035	CF40G	40 mm	50 pcs	400 pcs
● RAL 7035	CF50G	50 mm	25 pcs	250 pcs

CFF

Tie clip to fix rigid pipes.
Made of ecological thermoplastic material and eco-friendly: Low Smoke Flame retardant Zero Halogen (LSF0H).

Tie clip CFF				
⚙	Art. code	⌀	⋮	▢
● RAL 7035	CFF1	from 16 to 32 mm	100 pcs	1 000 pcs
● RAL 7035	CFF2	from 40 to 63 mm	100 pcs	500 pcs
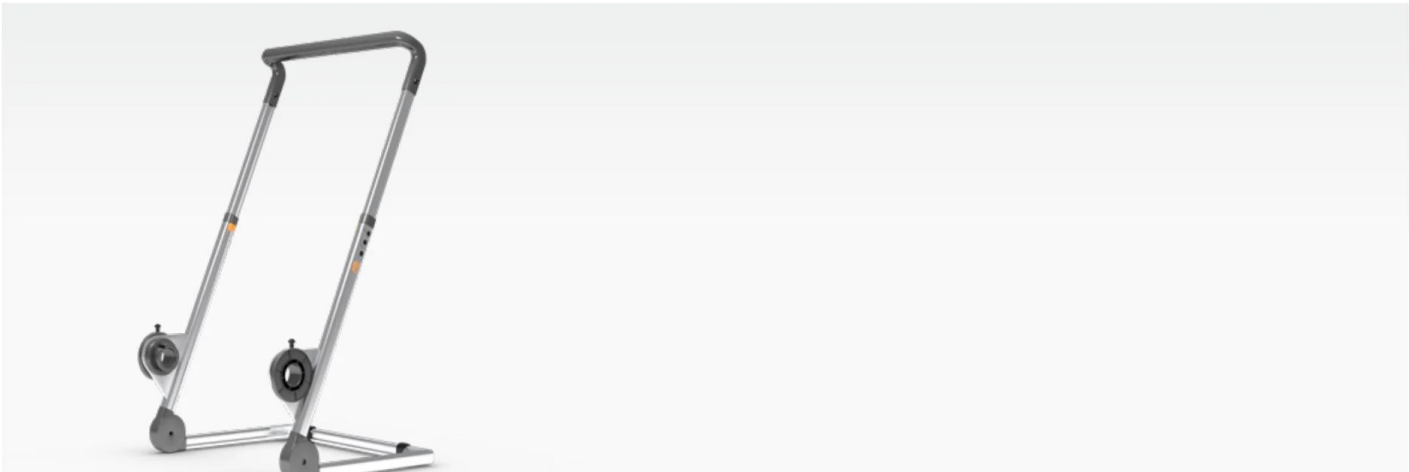
Bobbin Trolley xRoller

Pmflex xRoller is a smart trolley for bobbin. The unique construction makes it possible with lengths of conduits up to 300 meters and it is easy to maneuver thanks to the fact that it rolls with the help of the bobbin and no extra wheels are needed. You move the product in a simple way plus the unrolling works smoothly. There is no need to lift the bobbin up and it is easy to change it. xRoller is foldable, which simplifies transport considerably. Maximum load 140kg.

> Ergonomic and no heavy lifting required
> Easy to replace with quick release
> Conduit waste is heavily reduced, compared to ordinary rolls
> Foldable in durable aluminium

Go Easy

Go Easy Plus

Unrolling Stand Go Easy and Go Easy Plus

Go Easy is the small and stable unrolling stand that allows to easily and quickly unroll any type of conduit that is wounded on normal coils, keeping intact the packaging of the roll.
It is easy to carry and can be disassembled with simple handles when not in use. The stand is made of a galvanized pipe construction with double layers.
Go Easy Plus is the reinforced version, designed for intensive use.

> A stable unrolling stand
> Flexible and easy to carry
> Durable galvanized pipe construction

Pmflex®