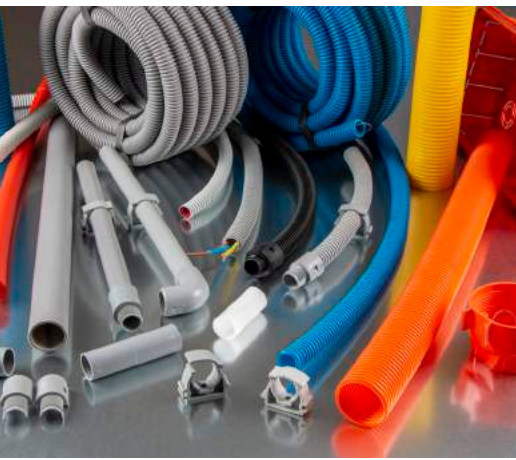


AGRA



PRODUCT CATALOG



Please scan the code
to see our website

AGRA



Cm Is A Must For Power And Data Transfers By Cables Are Not Affected By Damaging Factors

AGRA



We As A Cable Management Company Offers Reliable And Practical Solutions For Your Installations



Cm Brings You Efficiency , Safety And Well-organized Wiring Performance And Protects Your Installations From Impacts , Indoor And Outdoor Damaging Factors.

AGRA



Cm Also Gives You A Nice View Of Place. It's More Impressive To Have Well Done Installation Instead Of Messy One



It's Highly Important To Protect And Manage Your Cables As Planned

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COMPANY OVERVIEW

“AGRA was established during late 1980's. Today at its modern facility spanning across 6.000 sqm and along with over 70 employees, manufactures cable management and protection systems and markets proudly the entire product range domestically as well as catering to various international markets. Nowadays, our company is managed by young and passionate second-generation leader.



AGRA
offers solutions and
is preferred in
7 continents
and over
60 countries
today.

AGRA is a new generation company which strives for greater precision and perfection in maintaining the highest standards and is committed to developing innovative features which sustain safety, versatility and reliability of its products. We continuously grow through product and market diversification, innovation in technology and establishment of strong International market presence.

Agra offers a comprehensive range of electrical products such as PA6 cable glands and accessories, nickel plated brass cable glands and accessories, stainless steel cable glands and accessories, ex-proof cable glands, PA6 flexible conduits, PP flexible conduits, PE halogen free and fire extinguishing conduits and connectors, Pre-wired galvanized flexible steel conduits with or without PVC coating and liquid tight conduits and connectors as well as newly introduced cable sleeve range.

In our manufacturing site here in Hadımköy, our products are designed and developed painstakingly for the following industries in our state-of-the-art technology centre in order for

exceeding highest performance and reliability expectations:

Having valued our planet and believed in delivering reliable and environment friendly electrical products, we work even harder towards realizing our objective by bringing about solutions for sustainable future and by being a trusted partner and countable producer. As a result, today we are able to reach out and export to many clienteles in 54 countries.

Moreover, we are always alert and well aware of the fact that our customers set the bar very high in their expectations of receiving reliable and quality products manufactured as per latest standards, offering timely and precise customer support at all times, ensuring on time delivery and generating result-oriented solutions. Accordingly, Agra, more than ever, invests most of its revenues towards bringing on-board new technologies. We sincerely believe in and work towards developing unprecedented means for new product and manufacturing methodologies.



FACTORY

“ AGRA is located in the industrial district of Arnavutköy, Istanbul in close proximity of trucking customs of Muratbey as well as sea port of Ambarlı, expediting and time saving location for global export transportation. Facility is extending across 6.000 sqm and along with over 90 employees, manufactures cable management and protection systems and markets proudly the entire product range domestically as well as catering to various international markets.

At AGRA we proudly offer broadest range of products for selection by widely diverse markets and industries at global scale. Operating around-the-clock, our facility manufactures its entire product assortments in-house by implementing due diligence and delicate mediums of quality assurance. Agra production space is allocated into the following manufacturing divisions for production of following product ranges and more;

Extruder/Corrugator manufacturig division; all types of plastic corrugated conduits i.e. Polyamide6 Flexible Conduits, Polypropylene Flexible Conduits, Polyethylene Flexible Conduits

Rigid plastic conduit manufacturing division: PP and PE Halogen Free Rigid Conduits

CNC machinery division: Most type of brass and stainless steel cable glands, connectors and accessories.

Steel flexible conduit manufacturing division: Galvanized Steel Flex Conduits

PVC coated steel flexible conduit manufacturing division: PVC Coated Galvanized Steel Flexible Conduits, Steel Over-Braiding PVC Coated Steel Flexible Conduits.

Multiple plastic injection machinery division: PA6 Cable Glands and various types of connectors, clips and other accessories.

Plastic cable sleeving manufacturing division: PET and PA Cable Sleeveings.



INDUSTRIES



MACHINERY / MANUFACTURING

Agra Production Campus Accommodates Full-fledged Infrastructure For Undertaking Most Comprehensive And Elaborate Manufacturing Means Supported By Advanced Engineering Applications. Heavily Risky Mechanical Environments Stipulate Robust Products That Should Favorably Withstand Long Lasting And Repetitive Physical Constraints. Futuristic Vision Always In Mind, Our Industry-centric Conduit And Gland Ranges Have Been Developed Over Several Years Of Close Cooperation And Collaboration With Our Customers Of Distinct Industries.

AUTOMOTIVE AND WHITE STAFF WIRE HARNESS

Cabling Applications Especially In Automotive Industry Require High Level Of Resilience And Endurance To Heat. With Ultimate Aptitude To Precise Manufacturing Measures, Agra Offers A Wide Product Variety Fully Compliant With Most Automotive Industry Standards. In Line With Ever Expanding Trend In Demand Of Complete Solutions For Cable Harnessing, Today We Deliver Both Standard And Customized Products To Our Domestic And International Customers.





RAIL INDUSTRY

In Today's World, Health And Safety Is Crucial Aspect Of All Businesses And Activities. This Is Very Well Applicable To Rail Industry Which Increasingly Continue Popularity In Transportation. Within Same Framework, Agra Proudly Offers Range Of Conduits And Glands Approved For En45545-2 Standards. Our Products Manufactured As Per Flamability Rating Of UI94 V0 Have Been Tested And Approved For R22 And R23 Categories Along With HI1, HI2 And HI3 Levels. These Product Ranges Are Specifically Developed To Resist To Extreme Temperature And Vibration Conditions While Yielding Low Smoke And Oxygen Index. All Related Physical Parameters Have Been Tested And Documented By Internationally Recognized Laboratories. Our Entire Raw Material Commodity Both Metal And Plastic Are Selected And Sourced Meticulously Through Trusted Sources Globally.

CONSTRUCTION

Materials Utilized In Building Installations Pertain Critically To Health And Safety And Thus Require Maximum Precision On Mechanical Parameters And Chemical Contents. Agra Hold Broad Range And Widely Segmented Products Catering Complete Solutions To Several Construction Projects Of Residential Buildings, Hospitals, Airports, Shopping Centres And Schools. For Years, We Have Been Supplying Many Customized Products ; To Illustrate A Few, Self-extinguishing, Zero Halogen, Low Smoke Or Lszh For Projects Subject To Fire Sensitive Environments. Likewise, Our Forte Lays Upon Capability Of Manufacturing Entire Conduit And Respective Fixture Ranges Under Same Roof Essentially Ensuring Ultimate Uniformity And Compatibility.



AUTOMATION AND ROBOT APPLICATIONS

Apparently, Even If Not Today, Global Industry Dynamics Strongly Indicate An Upcoming Domination Of Automation And Robotics In Forseeable Future. Business Owners In Many Industries Show Increasing Tendency Towards Acquiring Such Technology And Equipment Which Offer Relief From Ever Surging Labor Costs And Related Complications. At Agra, We Present A Range Of Cable Management Solutions Specific For Automation And Robotics Industry. These Particular Products Yield Advanced Features And Specifications Such As Compelling Performance, Flexibility, Desired Quality Outcome And Functional Operations And Thus Fully Meeting Industry Expectations.



RENEWABLES ENERGY

Global Warming And Its Pressing Effects In Our Planet, Imperatively Increase Popularity And Demand In Alternative Means Including Wind Tirbunes, Solar Panels And Hydro-electric Systems. Today, We Supply Specially Designed Parts And Products For These Industries Specifically To Designated Customers Internationally As Well As In Domestic Market. We Include Set Of These Ranges Suitable To Withstand Harsh Environmental Conditions That These Systems Are Constantly Subject To.



HAZARDOUS AREAS

Agra Portfolio Exclusively Present A Range Of Reinforced Cable Connection Parts Employed To Secure Cables In Environments Susceptable To Hazardous Atmospheres. To Name A Few; Mines, Oil & Gas Platforms, Gas Stations, Chemical Plants Are Directly Exposed To Risks I.E. Fire, Explosion, Chemical, Oil And Acid Contamination. Our Specially Designed Explosion-proof Products Of Conduits, Glands And Respective Connectors Offer Full Protection Through Long-lasting Roboust Performance In Such Environments. All Our Products In This Segment Are Delicately Tested And Atex Approved By Internationally Accredited Labratories.

SHIPBUILDING

Agra Conjointly Puts Standard And Specially Designed Range Of Products On Market Use In Shipbuilding And Marine Industry. Our Products In This Range Are Prouced And Certified Rigorously For Parameters Of Corrosion Risk, Functionality And Easy Installation Means. Today, Agra Products Are Highly Demanded And Utilized By Several Marine Firms, Ship Docks, Yacht Builders And As Such.



QUALITY

“Our Product Groups Are Framed Up And Constructed Fully Comformable To International Codes And Protocols. In Order For Sustaining Ultimate Quality, In - line And Final Inspections Are Performed For Each Production Cycle Without Exception.

Iso Norms Are Laid Out Utterly And Implemented Across Entire Facility And Production Lines Are Formed Compatible With Specific Standards ; En, Bs, Ui, Atex, And Alike. Our Full Range Of Conduits And Glands And Corresponding Connectors Are Designed According To Required Ip Ratings To Furnish Adequate Protection In Diverse Applications And Installations. Complete Production Process Has Been Worked Out Meticiliously To Oversee Each Facet Of Pre-production, In-line Inspections During Production As Well As Final Inspections Proceeding Production Completion. Raw Materials Of All Types Are Sourced And Maintained In Advance Supervision So As To Ensure Standards To Be Fulfilled In Final Products That Are Exposed To Distinct Operational Strains. Product Performance And Uniformity Is Specially Guaranteed For Those Subject To Extreme Temperatures By Implementing Delicate Testing Methodologies.



Entire Production Pipe-line From Raw Material Procurment To Final Packaging Is Monitered 7/24 Through Invisible Manners So That Desired Quality Level Is Achieved And Thus Delivered To Our Customers.



TESTING AND CERTIFICATIONS

	Agra facility was certified for ISO 9001 : 2015 on January 10, 2019 with Certificate No. 1940007
	Our plant was accredited to ISO 14001 : 2015 on January 10, 2019 with Certificate No. 1943008
	Our plant was certified for ISO 45001 : 2018 on January 10, 2019 with Certificate No. 1944009
	Our TPA range - Polyamide 6 Flexible Conduits were certified for burning behaviour in accordance with EN ISO/IEC 17020:2012
	Our TPAFR range - Polyamide 6 FR30 type and Polyamide 12 Flexible Conduits were certified for EN45545-2 for all hazard levels of HL1, HL2, HL3 set for both R22 and R23 on February 07, 2018
	Our Polyamide 6.6 Cable Sleeveings are accredited to EN45545-2 under testing methods of EN ISO 4589-2 - Burning Behaviour by Oxygen , EN ISO5659-2 Smoke Generation, NFX 70-100 1/2 CIT npl determination and UNI EN 45545-2:2015 Fire Tests
 Directive 2014/34/EU	Our FEU range - Metallic ex-proof cable glands for unarmoured cables were tested and certified by IEP ATEX in May 18, 2017 to be in conformity with EU directive 2014/34/EU as a protective system intended to be used in Potentially Explosive Atmospheres.
	All of Agra product ranges are marked with CE designation, as they are compliant with essential requirements of respective European Directives.
	All Agra products are fully compliant with European ROHS directives pertaining to restriction of hazardous substances. None of our products include toxic materials and heavy metals stipulated to be avoided in respective directives.
	All Agra products are fully compliant with European REACH directives pertaining to restriction of hazardous substances. None of our products include toxic materials and heavy metals stipulated to be avoided in respective directives.
	Most of Agra products are tested and certified by TSE - Turkish Standards Institute to be in conformity with Turkish directives set for electrotechnical products.

Protecting cables is really important?

At AGRA, as a supplier of cable protection and management solutions for decades now, we're more than a little proud of what we do.

Supplying the world's most demanding businesses both in Turkey and internationally, and working on some innovative and ground-breaking projects over the years has made great impact upon our understanding of technology and helped us pave the way for the most secure, resilient cable protection means available.

To this date, we supply our product portfolio including number of different item categories to thousands of businesses operating over several different industries across the globe, including but not limited to construction, railway systems, ship building, and telecommunications.

Now, let's look at why cable protection is so important for some industries and equally crucial for our lives;

1. Safety Hazards: A crucial aspect for sure. Health & safety of human beings is a massive contributing factor to cable protection, especially in factory and warehouse environments. Cable protection means not only keep cables intact, but also keep wires and cables free from water-damage, harmful chemicals that may cause fires or explosions, and electrical shortages.

2. Curious creatures: In out-door environments, cables are subject to wildlife; rodents and bugs of all types who just want to gnaw through the wires to see what's inside or use the contents for nesting materials. Little animals with big teeth can do a lot of damage to unprotected cables! And damaged cables lead to malfunctioning railway lines, broken automation, and even fires & explosions.

3. Weather protection: cables are susceptible to different conditions such as extreme temperatures, bright sunshine, snow, and rain. Prolonged and direct exposure to difficult weather conditions can lead to premature aging, splits & tears, dents, holes, and frozen conduits, alongside lots of water-damage (we all know water and electricity don't mix!). And you can probably work out what this all leads to –

malfunctioning and broken equipment which is not only dangerous, but expensive to replace.

4. Economic aspect: Should you leave cables not protected and secured properly, it leads to malfunction and broken equipment. On the other hand, well-protected cables reduce these risks; leading to a massive reduction in costs as equipment doesn't need to be replaced and repaired nearly as often, and safe, stable equipment can be relied upon for longer.

5. Innovation: when businesses don't have to worry or spend their time and valuable resources repairing & replacing existing equipment due to easily avoidable damage, they can spend that time and money developing innovative new ways of making the world an even better place to live. This one we like very much!

Here we presented only a few of the hundreds of reasons why we, and our clients, think cable protection is important. Cable protection not only protects the cables themselves, but the people working alongside those cables; ensuring working and leisure environments are secure, and risk free; improving efficiency, and supportive innovation. It really is the lifeblood of some of the world's most exciting industries. In a real world, cables are utilized in many different locations and environments and it is must to provide full protection for these cables to prevent them from physical damages.



PRODUCT GROUPS

“ As Per Our Long Lasting Industry Experience, Today We Are Fully Proficient Of Providing Solutions To Our Customers From Discrete Industries. We Always Manufacture In Full Awareness Of Needs For Different Environments And Conditions And Thus Our Customers Can Confidently Procure And Utilize Our Products Anywhere In The World And Under Any Physical Conditon. Our Product Standards And Characteristics Are Presented In Our Catalouge In Detail As Well As Selection Tables Represent Practical References. We Have Been Happily Serving Our Customers At All Times Along With Our Broad Range Of Products Covering Several Industries I.E. Automotive, Railway Systems, Robotics And Automation Industry, Ship Building, Electrical Panel Builders, Tranformer Manufacturers, Data Network Cabling, And Building Installations. Our First And Foremost Objective Is Always To Manufacture High Quality And User Friendly Products 100% Compliant With All Required Standards.



Cable Glands

Agra industrial cable glands can be installed anywhere under various conditions. Supported by global certifications and type approvals, we have a solution for most applications. Available in nickel-plated brass, stainless steel, or nylon, our cable glands are available in a variety of thread types, shapes and hole configurations along with a full array of accessories.

Our metal cable glands are covering all the requirements of the industry thanks to variety in our portfolio. Typical fields of application are general machinery industry and plant construction, measurement and control technologies. Our cable glands conform to a wide range of national and international standards and have the appropriate approvals.

With varieties designed to withstand wet or dry locations, indoor or outdoor use and corrosive conditions, Agra offers a general-purpose industrial gland to meet your need. Backed by thorough testing, our glands meet or exceed regulatory and certification standards, no matter where on the globe you need to use them.

Our cable glands provide sealed entry into enclosures, motors, panels or any other device, limiting the ingress of water and dust. Regardless of the configuration, our high-quality standards help extend system life and minimize downtime.

Corrugated Plastic Conduits & Fittings

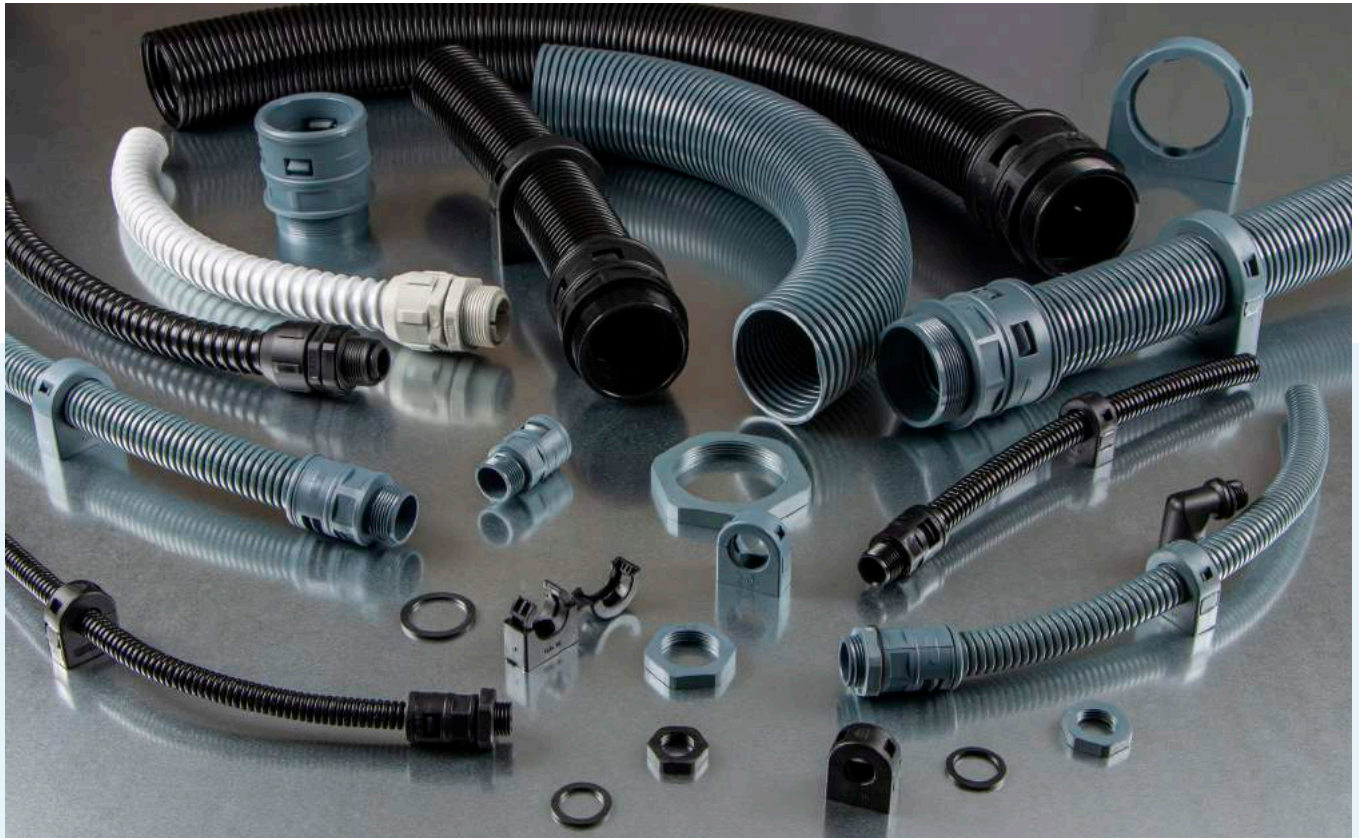
We have developed the cable protection conduit and fitting systems specially to protect cables and wires from external influences. Cable protection conduits, fitting systems and accessories are made to match each other, thereby ensuring a fast and trouble-free assembly. There are various types of conduits and fittings to suit a broad range of different applications. That means that you'll find an appropriate conduit from us for almost any application.

Our Pa Standard Weight Plastic Conduits Have Advantages For Light Duty Applications, They Do Not Corrode, Lighter In Weight, Quicker To Install Due To Ease Of Cutting And Assembly Of Fittings, Along With Wide Variety Of Conduit Fittings. Agra Standard Polyamide (Nylon) 6 Conduit Suitable For Machine Tools, Public Buildings And Rail. Ip Ratings: Ip68

Features:

- Uv Resistance
- Extensive Flexibility
- Prolonged Fatigue Life
- Self-extinguishing Types Available
- Halogen Free
- High Abrasion Resistance

Additionally, We Offer A Range That Is Certified For En45545-2 Suitable For Railway Vehicles. See Page With Heading "Thought-out Solutions For Rail Vehicles" For Further Details.





Flexible Steel Conduits & Fittings

AGRA offers wide range of Galvanized Steel Flexible Conduits, which is designed so as to provide robust mechanical properties as well as high level of flexibility. These helically wound flexible conduits in galvanized steel are compose remarkable features such as corrosion resistance, durability, and long operational life. We offer these conduits in natural finish.

Application Areas:

- Wet interior spaces
- Areas subject to heat and ignition
- As physical protection for insulated electrical cables compatible only with normal atmospheric temperature
- Sub-floor applications for IT equipment
- Heat generating furnace/oven applications
- For connecting machines to control panels

Specifications:

- Robust physical properties
- Extensive flexibility
- Working temperature: -100°C to +300°C
- IP rating: IP40, IP54, IP66, IP67, IP68
- Inherent low fire hazard product; Conduit cable management systems are increasingly needing to feature a low fire hazard specification in cable applications, they are a great solution for helping to protect personnel and property. This type of galvanised flexible conduit is inherently a (LFH) low fire hazard product.

What does LFH refer to?

LFH is a jargon commonly used for Low Fire Hazard. This group of productsoffers high flame retardancy which refers that it can actively support fire prevention and/or limit the possibility for one to start. Having carried the LFH specification, this type of electrical cable conduitshas low smoke emissions thatoffers high chances forallowing personnel to see their way through to an exit or to escape the fire. LFH also refers that the conduit has low toxicity, and is halogen free which removes halogen acid gas emission.

Residential Type Conduits & Fittings

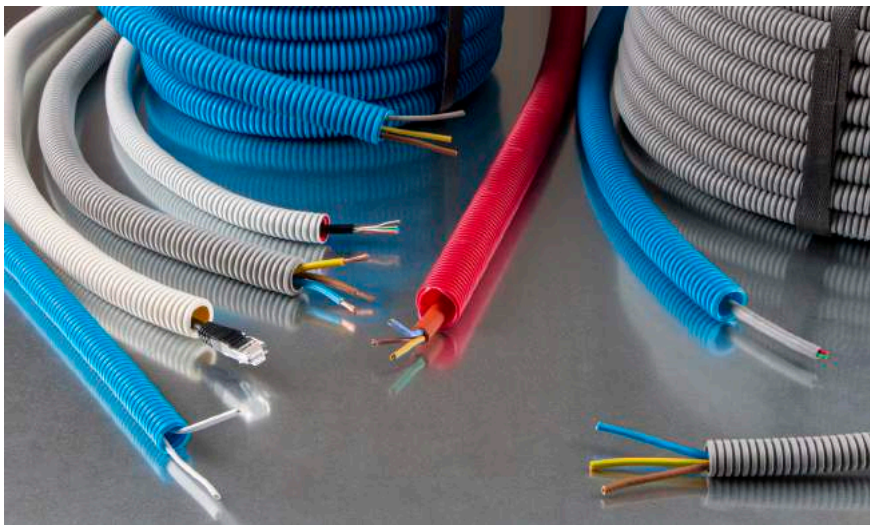
Agra manufactures various types of halogen-free flexible cable conduits that permanently avoid-emitting toxic gases found in PVC products. Current figures indicate surge in use of HF conduits in order for eliminating gases posing an increased hazard to people. Application areas include aircraft, ships, recreational vehicles, tunnels, mass transit vehicles, elevators, and other confined spaces. HF conduits reduce the amount of smoke and flame spread, which can allow people more time to easily escape areas of fire.



We offer number of halogen-free product lines in different configurations dedicated to specific applications. We manufacture HF products in such materials as Polypropylene and Polyethylene and their proprietary formulation ensures flame retardancy and no toxicity generation characteristics, solely eliminating hydrogen chloride, hydrogen fluoride, and hydrogen bromide gases during fire.

Agra corrugated flexible tubing made from a flame-retardant, polypropylene or polyethylene compound that comes with decreased flame spread rate and smoke as well as limited toxic characteristics. It's tailored for use within Shopping centers, Hospitals, Business centers, Metro stations, etc.

Pre - Wired Conduit Systems



Our Pre-wired Conduit Systems are highly demanded across Europe for cable management applications. They are typically used to distribute power, lighting, data and communications in buildings with concrete floors, steel framed cavity floors and suspended ceilings.

The savings that can be derived from the use of our pre-wired conduit allow electrical contractors to be far more competitive when tendering for jobs.

What are the advantages of Pre Wired Conduit Systems?

The use of a pre-wired flexible conduit in

concrete floors, steel framed cavity floors and suspended ceilings the concrete on each floor of a building has many advantages.

- Capitalize on safety: no risks of damaging the cables during insertion operations
- A huge amount of time saved
- Relatively, results in great cost savings
- Enables contractors to be more competitive
- Peace of mind through our quality assured products and services.
- Reliance on electrical skills on site is reduced
- These systems reduce manual handling and therefore significantly reduce the risks associated with working at height during installation.

Usage Areas:

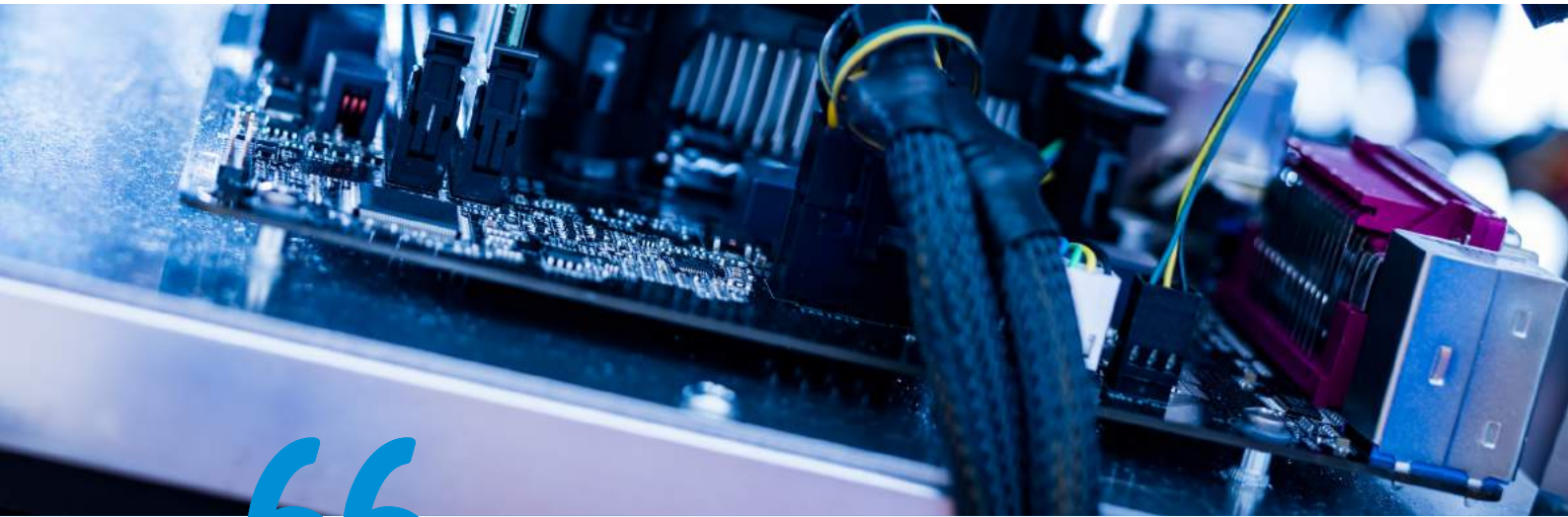
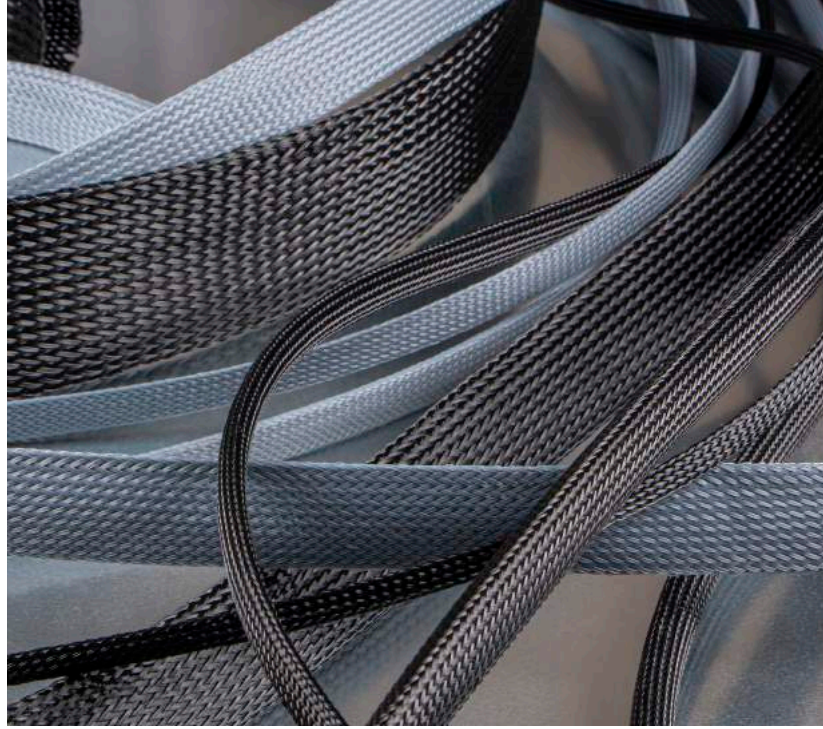
Most Indoor applications, Also suitable for Outdoor Applications, Plasterboards, Prefabricated Wood panels, Liquid screed and concrete, Exposed Installation, Chased floor, False ceiling - Movable wall.

Expandable Braided Sleeveings

For protecting and organizing your cables, cable sleeves are a must. Whether you're bundling several cables together, or want to insulate a single cable from abrasive environments, our range of cable sleeves are flexible enough to suit your purposes. 100% made in-house, we offer unique cable sleeves.

We employ lead-free base materials and colours; No intoxication at inhalation while melting the sleeving. We offer highly expandable sleeving, which can go over connectors and other obstacles. This makes Agra sleeves the solution in a very wide range of applications.

Our range comes with maximum rigidity due to our lengthwise oriented braid construction allows the creation of perfectly straight or multi-curved cables free of wobbles. Our braided sleeving is used extensively in different sectors including automotive industry and made to its highest quality and protective standards. Can be used with and without heat shrink tubing. High expandability allows you to use our cable sleeving in a wide range of applications and situations. You can easily put the cable sleeve over connectors or similar obstacles, which are a good bit bigger than the target cable or object itself. (This is not possible with "cotton" sleeving or overly dense cable sleeving constructions, which have no more expandability left).



“

Expansion and contraction make it very easy to put the cable sleeving onto objects. It allows you to put the sleeving onto cables of endless length. Our expandable sleeving adjusts its size to the target object / wire size. If the object is at the lower diameter limit of the cable sleeving size range, you stretch the cable sleeving lengthwise, fix it and then get the outstanding rigidity.

AGRA

A collection of various industrial hydraulic and pneumatic fittings, connectors, and adapters, including brass, stainless steel, and plastic components, arranged on a reflective surface. The components include large hexagonal connectors, smaller threaded fittings, O-rings, and specialized adapters in various colors like red, black, white, and brass. The AGRA logo is visible in the top left corner.



CABLE GLANDS

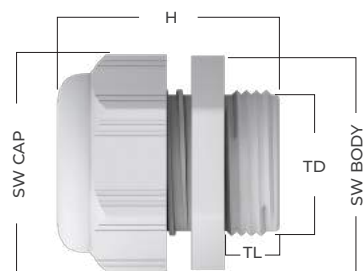
Cable Glands

Product Group	Product Group Code	Product Type	Material	Colour	Sealing Insert	IP Rating	ROHS	REACH
Standard Polyamide Cable Glands	TPO, TMO	PAG Standard Cable Glands	PA 6 V2 UL94	Black / Grey / L. Grey	TPV*	IP68		
	TPOK, TMOK	PAG Closed - Seal Cable Glands	PA 6 V2 UL94	Black / Grey / L. Grey	TPV*	IP68		
	FGPM	PAG Multi - Hole Cable Glands	PA 6 V2 UL94	Black / Grey / L. Grey	TPV*	IP68		
Nickel Plated Cable Glands	TPR, TMR	NP Brass Cable Glands	Nickel Plated Brass	Metallic	TPV*	IP68		
	TPRK, TMRK	NP Brass Closed-Seal Cable Glands	PA 6 V2 UL94	Metallic	TPV*	IP68		
	FGPM	NP Brass Multi-Hole Cable Glands	PA 6 V2 UL94	Metallic	TPV*	IP68		
Stainless Steel Cable Glands	TSSMR, TSSR	Stainless Steel Cable Glands	Grade 303 / 316	Metallic	TPV*	IP68		
Flame Retardant Cable Glands	TMOV0 / TPOV0	PA6 Flame-Retardant Cable Glands	PA 6 V0 UL94	Black / Grey / L. Grey	Silicone	IP68		
Cable Glands For Railways	TPOFR, TMOFR	PA6 Cable Glands - Railways	Special Compound	Black / Grey / L. Grey	Silicone	IP68		
	TPRFR, TMRFR	NP Brass Cable Glands - Railways	Nickel Plated Brass	B/G/W/D/L	Silicone	IP68		
EMC Cable Glands	TPRE/TMRE	NP Brass EMC Cable Glands	Nickel Plated Brass	Metallic	TPV*	IP68		
	TPRSSE	Stainless Steel EMC Cable Glands	Grade 303 / 316	Metallic	TPV*	IP68		
Ex-Proof Cable Glands (For Un-Armoured Cables)	FEU	NP Brass Ex-Proof Cable Glands	Nickel Plated Brass	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
	FEU	Stainless Steel Ex-Proof Cable Glands	Grade 303 / 316	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
	FEU	Aluminium Ex-Proof Cable Glands	Aluminium	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
Ex-Proof Cable Glands (For Armoured Cables)	FEA	NP Brass Ex-Proof Cable Glands	Nickel Plated Brass	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
	FEA	Stainless Steel Ex-Proof Cable Glands	Grade 303 / 316	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
	FEA	Aluminium Ex-Proof Cable Glands	Aluminium	Metallic	TPV/NBR/Neoprene/Silicone	IP68		
Ventilation Cable Glands	TPORV, TMORV	PA6 Ventilation Glands	PA 6 V2 UL94	Black / Grey / L. Grey	TPV*	IP68		
	TMRV, TPRV	NP Brass Ventilation Glands	Nickel Plated Brass	Metallic	TPV*	IP68		
	TPRVS / TMRVS	Stainless Steel Ventilation Glands	Grade 303 / 316	Metallic	TPV*	IP68		



Only Black Colour * Neoprene / NBR / Silicone optional

Temp Max. C° (Static)	Temp Min. C° (Static)	UV Resistance	Low Fire Hazard	Halofen Free	Self Extinguishing	Fire Tests - EN45545-2	Resistance to Solvents	Abrasion Resistance
100	-30							
100	-30							
100	-30							
100	-30							
100	-30							
100	-30							
100	-30							
100	-60							
180	-60							
180	-60							
100	-30							
100	-30							
120/120/100/180	-30/-30/-40/-60							
120/120/100/180	-30/-30/-40/-60							
120/120/100/180	-30/-30/-40/-60							
120/120/100/180	-30/-30/-40/-60							
120/120/100/180	-30/-30/-40/-60							
120/120/100/180	-30/-30/-40/-60							
100	-30							
100	-30							
100	-30							



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CERTIFICATE : CE, ROHS

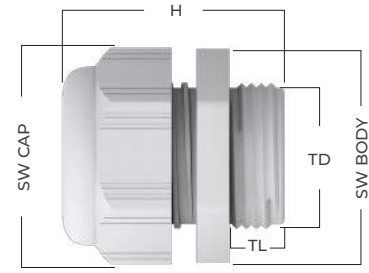
FEATURES

GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY
HIGH MECHANICAL STRENGTH | EASY INSTALLATION
HIGH STRAIN RELIEF | BEST GRADE MATERIAL

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
AUTOMOTIVE (WIRE HARNESS) | SOLAR SYSTEMS
CONSTRUCTION | CCTV | MARINE , SHIPYARD
ROBOT INDUSTRY

							Standard Thread				
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)		
TMO-05-G	TMO-05-S	TMO-05-AG	M12X1,5	3,0-6,5	12,0	8,0	15,0	15,0	23,0		400
TMO-01/I-G	TMO-01/I-S	TMO-01/I-AG	M16X1,5	4,0-8,0	16,0	8,0	19,0	19,0	26,0		300
TMO-01-G	TMO-01-S	TMO-01-AG	M16X1,5	5,0-10,0	16,0	10,0	22,0	22,0	30,0		200
TMO-02-G	TMO-02-S	TMO-02-AG	M20X1,5	6,0-12,0	20,0	10,0	24,0	24,0	30,0		150
TMO-02S-G	TMO-02S-S	TMO-02S-AG	M20X1,5	10,0-14,0	20,0	10,0	27,0	27,0	33,0		120
TMO-05-G	TMO-05-S	TMO-05-AG	M25X1,5	13,0-18,0	25,0	10,0	33,0	33,0	38,0		75
TMO-07-G	TMO-07-S	TMO-07-AG	M32X1,5	18,0-25,0	32,0	10,0	42,0	42,0	42,0		40
TMO-08-G	TMO-08-S	TMO-08-AG	M40X1,5	22,0-32,0	40,0	10,0	53,0	53,0	52,0		20
TMO-09-G	TMO-09-S	TMO-09-AG	M50X1,5	30,0-38,0	50,0	18,0	60,0	60,0	54,0		12
TMO-10-G	TMO-10-S	TMO-10-AG	M63X1,5	34,0-44,0	63,0	18,0	65,0	65,0	53,5		8



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CERTIFICATE : CE, ROHS

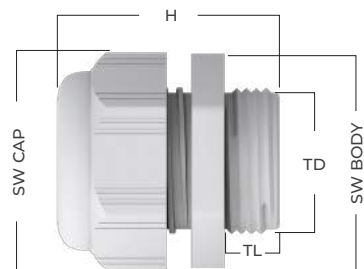
FEATURES

GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY
HIGH MECHANICAL STRENGTH | EASY INSTALLATION
HIGH STRAIN RELIEF | BEST GRADE MATERIAL

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
AUTOMOTIVE (WIRE HARNESS) | SOLAR SYSTEMS
CONSTRUCTION | CCTV | MARINE , SHIPYARD
ROBOT INDUSTRY

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	Standard Thread				
							SW BODY (MM)	SW CAP (MM)	H (MM)		
TPO-01-G	TPO-01-S	TPO-01-AG	PG-7	3,0-6,5	12,5	8,0	15,0	15,0	23,0	400	
TPO-02-G	TPO-02-S	TPO-02-AG	PG-9	4,0-8,0	15,2	8,0	19,0	19,0	26,0	300	
TPO-03-G	TPO-03-S	TPO-03-AG	PG-11	5,0-10,0	18,6	8,0	22,0	22,0	29,0	200	
TPO-04-G	TPO-04-S	TPO-04-AG	PG-13,5	6,0-12,0	20,4	10,0	24,0	24,0	30,0	150	
TPO-05-G	TPO-05-S	TPO-05-AG	PG-16	10,0-14,0	22,5	10,0	27,0	27,0	33,0	120	
TPO-06-G	TPO-06-S	TPO-06-AG	PG-21	13,0-18,0	28,3	10,0	33,0	33,0	38,0	75	
TPO-07-G	TPO-07-S	TPO-07-AG	PG-29	18,0-25,0	37,0	11,0	42,0	42,0	43,0	40	
TPO-08-G	TPO-08-S	TPO-08-AG	PG-36	22,0-32,0	47,0	14,0	53,0	53,0	52,0	20	
TPO-09-G	TPO-09-S	TPO-09-AG	PG-42	30,0-38,0	54,0	14,0	60,0	60,0	53,0	12	
TPO-10-G	TPO-10-S	TPO-10-AG	PG-48	34,0-44,0	59,3	14,0	65,0	65,0	53,0	8	



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423, PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

CERTIFICATE : CE, ROHS

FEATURES

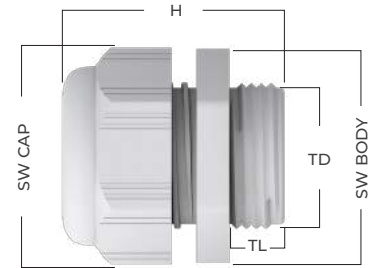
GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY
HIGH MECHANICAL STRENGTH | EASY INSTALLATION
HIGH STRAIN RELIEF | BEST GRADE MATERIAL

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
AUTOMOTIVE (WIRE HARNESS) | SOLAR SYSTEMS
CONSTRUCTION | CCTV | MARINE , SHIPYARD
ROBOT INDUSTRY

							Metric Thread			
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMOK-05-G	TMOK-05-S	TMOK-05-AG	M12X1,5	3,0-6,5	12,0	8,0	15,0	15,0	23,0	400
TMOK-01/1-G	TMOK-01/1-S	TMOK-01/1-AG	M16X1,5	4,0-8,0	16,0	8,0	19,0	19,0	26,0	300
TMOK-01-G	TMOK-01-S	TMOK-01-AG	M16X1,5	5,0-10,0	16,0	10,0	22,0	22,0	30,0	200
TMOK-02-G	TMOK-02-S	TMOK-02-AG	M20X1,5	6,0-12,0	20,0	10,0	24,0	24,0	30,0	150
TMOK-02S-G	TMOK-02S-S	TMOK-02S-AG	M20X1,5	10,0-14,0	20,0	10,0	27,0	27,0	33,0	120
TMOK-05-G	TMOK-05-S	TMOK-05-AG	M25X1,5	13,0-18,0	25,0	10,0	33,0	33,0	38,0	75
TMOK-07-G	TMOK-07-S	TMOK-07-AG	M32X1,5	18,0-25,0	32,0	10,0	42,0	42,0	42,0	40
TMOK-08-G	TMOK-08-S	TMOK-08-AG	M40X1,5	22,0-32,0	40,0	10,0	53,0	53,0	52,0	20
TMOK-09-G	TMOK-09-S	TMOK-09-AG	M50X1,5	30,0-38,0	50,0	18,0	60,0	60,0	54,0	12
TMOK-10-G	TMOK-10-S	TMOK-10-AG	M63X1,5	34,0-44,0	63,0	18,0	65,0	65,0	53,5	8

							Pg Thread			
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPOK-01-G	TPOK-01-S	TPOK-01-AG	PG-7	3,0-6,5	12,5	8,0	15,0	15,0	23,0	400
TPOK-02-G	TPOK-02-S	TPOK-02-AG	PG-9	4,0-8,0	15,2	8,0	19,0	19,0	26,0	300
TPOK-03-G	TPOK-03-S	TPOK-03-AG	PG-11	5,0-10,0	18,6	8,0	22,0	22,0	29,0	200
TPOK-04-G	TPOK-04-S	TPOK-04-AG	PG-13,5	6,0-12,0	20,4	10,0	24,0	24,0	30,0	150
TPOK-05-G	TPOK-05-S	TPOK-05-AG	PG-16	10,0-14,0	22,5	10,0	27,0	27,0	33,0	120
TPOK-06-G	TPOK-06-S	TPOK-06-AG	PG-21	13,0-18,0	28,3	10,0	33,0	33,0	38,0	75
TPOK-07-G	TPOK-07-S	TPOK-07-AG	PG-29	18,0-25,0	37,0	11,0	42,0	42,0	43,0	40
TPOK-08-G	TPOK-08-S	TPOK-08-AG	PG-36	22,0-32,0	47,0	14,0	53,0	53,0	52,0	20
TPOK-09-G	TPOK-09-S	TPOK-09-AG	PG-42	30,0-38,0	54,0	14,0	60,0	60,0	53,0	12
TPOK-10-G	TPOK-10-S	TPOK-10-AG	PG-48	34,0-44,0	59,3	14,0	65,0	65,0	53,0	8



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423, PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V0

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

CERTIFICATE : CE, ROHS

FEATURES

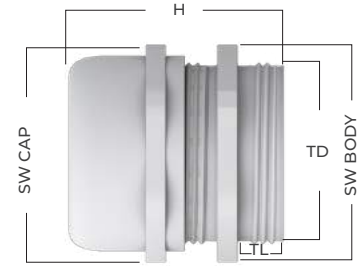
GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V0 FLAME RETARDANCY
HIGH MECHANICAL STRENGTH | EASY INSTALLATION
HIGH STRAIN RELIEF | BEST GRADE MATERIAL

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
AUTOMOTIVE (WIRE HARNESS) | SOLAR SYSTEMS
CONSTRUCTION | CCTV | MARINE , SHIPYARD
ROBOT INDUSTRY

							Metric Thread			
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMOV0-05-G	TMOV0-05-S	TMOV0-05-AG	M12X1,5	3,0-6,5	12,0	8,0	15,0	15,0	23,0	400
TMOV0-01/1-G	TMOV0-01/1-S	TMOV0-01/1-AG	M16X1,5	4,0-8,0	16,0	8,0	19,0	19,0	26,0	300
TMOV0-01-G	TMOV0-01-S	TMOV0-01-AG	M16X1,5	5,0-10,0	16,0	10,0	22,0	22,0	30,0	200
TMOV0-02-G	TMOV0-02-S	TMOV0-02-AG	M20X1,5	6,0-12,0	20,0	10,0	24,0	24,0	30,0	150
TMOV0-02S-G	TMOV0-02S-S	TMOV0-02S-AG	M20X1,5	10,0-14,0	20,0	10,0	27,0	27,0	33,0	120
TMOV0-05-G	TMOV0-05-S	TMOV0-05-AG	M25X1,5	13,0-18,0	25,0	10,0	33,0	33,0	38,0	75
TMOV0-07-G	TMOV0-07-S	TMOV0-07-AG	M32X1,5	18,0-25,0	32,0	10,0	42,0	42,0	42,0	40
TMOV0-08-G	TMOV0-08-S	TMOV0-08-AG	M40X1,5	22,0-32,0	40,0	10,0	53,0	53,0	52,0	20
TMOV0-09-G	TMOV0-09-S	TMOV0-09-AG	M50X1,5	30,0-38,0	50,0	18,0	60,0	60,0	54,0	12
TMOV0-10-G	TMOV0-10-S	TMOV0-10-AG	M63X1,5	34,0-44,0	63,0	18,0	65,0	65,0	53,5	8

							Pg Thread			
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPOV0-01-G	TPOV0-01-S	TPOV0-01-AG	PG-7	3,0-6,5	12,5	8,0	15,0	15,0	23,0	400
TPOV0-02-G	TPOV0-02-S	TPOV0-02-AG	PG-9	4,0-8,0	15,2	8,0	19,0	19,0	26,0	300
TPOV0-03-G	TPOV0-03-S	TPOV0-03-AG	PG-11	5,0-10,0	18,6	8,0	22,0	22,0	29,0	200
TPOV0-04-G	TPOV0-04-S	TPOV0-04-AG	PG-13,5	6,0-12,0	20,4	10,0	24,0	24,0	30,0	150
TPOV0-05-G	TPOV0-05-S	TPOV0-05-AG	PG-16	10,0-14,0	22,5	10,0	27,0	27,0	33,0	120
TPOV0-06-G	TPOV0-06-S	TPOV0-06-AG	PG-21	13,0-18,0	28,3	10,0	33,0	33,0	38,0	75
TPOV0-07-G	TPOV0-07-S	TPOV0-07-AG	PG-29	18,0-25,0	37,0	11,0	42,0	42,0	43,0	40
TPOV0-08-G	TPOV0-08-S	TPOV0-08-AG	PG-36	22,0-32,0	47,0	14,0	53,0	53,0	52,0	20
TPOV0-09-G	TPOV0-09-S	TPOV0-09-AG	PG-42	30,0-38,0	54,0	14,0	60,0	60,0	53,0	12
TPOV0-10-G	TPOV0-10-S	TPOV0-10-AG	PG-48	34,0-44,0	59,3	14,0	65,0	65,0	53,0	8



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF - COLOURED

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

INSERT : POLYAMIDE 6

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

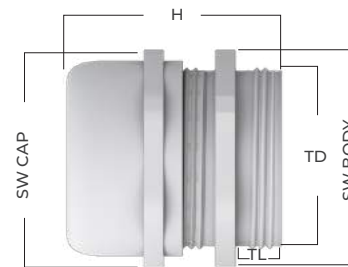
GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH
MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN
RELIEF | BEST GRADE MATERIAL | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
SOLAR SYSTEMS | CONSTRUCTION | CCTV | MARINE ,
SHIPYARD | ROBOT INDUSTRY | RENEWABLE ENERGY
APPLICATIONS

				Standard Thread					
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)		
TMR-0S	M12X1,5	3,0-6,5	12,0	6,0	14,0	14,0	22,0	50	
TMR-01	M16X1,5	4,0-8,0	16,0	7,0	18,0	17,0	23,0	50	
TMR-01S	M16X1,5	5,0-10,0	16,0	7,0	20,0	20,0	25,0	50	
TMR-02	M20X1,5	6,0-12,0	20,0	8,0	22,0	22,0	27,0	50	
TMR-02S	M20X1,5	10,0-14,0	20,0	8,0	22,0	22,0	27,0	50	
TMR-03	M25X1,5	13,0-18,0	25,0	8,0	27,0	24,0	28,0	25	
TMR-04	M32X1,5	18,0-25,0	32,0	9,0	34,0	30,0	32,0	25	
TMR-05	M40X1,5	22,0-32,0	40,0	9,0	43,0	40,0	38,0	20	
TMR-06	M50X1,5	30,0-38,0	50,0	9,0	55,0	50,0	43,0	15	
TMR-07	M63X1,5	34,0-44,0	63,0	14,0	68,0	64,0	48,0	12	
TMR-071	M63X1,5	37,0-53,0	63,0	16,0	74,0	77,0	54,0	10	
TMR-08	M72X2,0	56,0-61,0	72,0	16,0	77,0	77,0	55,0	4	
TMR-09	M75X2,0	56,0-61,0	75,0	16,0	77,0	77,0	56,0	4	
TMR-10	M80X2,0	60,0-66,0	80,0	20,0	90,0	90,0	57,0	2	
TMR-10S	M90X2,0	60,0-65,0	90,5	20,0					

				Long Thread					
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)		
TMRL-0S	M12X1,5	3,0-6,5	12,0	12,0	14,0	14,0	22,0	50	
TMRL-01	M16X1,5	4,0-8,0	16,0	12,0	18,0	17,0	23,0	50	
TMRL-01S	M16X1,5	5,0-10,0	16,0	12,0	20,0	20,0	25,0	50	
TMRL-02	M20X1,5	5,0-10,0	20,0	12,0	22,0	22,0	27,0	50	
TMRL-02S	M20X1,5	6,0-12,0	20,0	12,0	22,0	22,0	27,0	50	
TMRL-03	M25X1,5	10,0-14,0	25,0	12,0	27,0	24,0	28,0	25	
TMRL-04	M32X1,5	13,0-18,0	32,0	14,0	34,0	30,0	32,0	25	
TMRL-05	M40X1,5	18,0-25,0	40,0	14,0	43,0	40,0	38,0	20	
TMRL-06	M50X1,5	22,0-32,0	50,0	14,0	55,0	50,0	43,0	15	
TMRL-07	M63X1,5	33,0-44,0	63,0	18,0	68,0	64,0	48,0	12	



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF - COLOURED

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

INSERT : POLYAMIDE 6

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

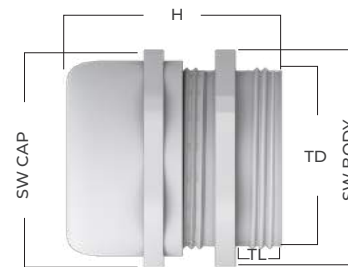
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RELIEF | BEST GRADE MATERIAL | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
SOLAR SYSTEMS | CONSTRUCTION | CCTV | MARINE ,
SHIPYARD | ROBOT INDUSTRY | RENEWABLE ENERGY
APPLICATIONS

					Standard Thread			
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPR-01	PG-7	3,0-6,5	12,5	6,0	14,0	14,0	22,0	50
TPR-02	PG-9	4,0-8,0	15,2	6,0	17,0	17,0	23,0	50
TPR-03	PG-11	5,0-10,0	18,6	6,0	20,0	20,0	25,0	50
TPR-04	PG-13,5	6,0-12,0	20,4	6,5	22,0	22,0	26,0	50
TPR-05	PG-16	10,0-14,0	22,5	6,5	24,0	24,0	28,0	25
TPR-06	PG-21	13,0-18,0	28,3	7,0	30,0	30,0	32,0	25
TPR-07	PG-29	18,0-25,0	37,0	8,0	40,0	40,0	38,0	25
TPR-08	PG-36	22,0-32,0	47,0	10,0	50,0	50,0	43,0	20
TPR-09	PG-42	30,0-38,0	54,0	12,0	57,0	57,0	47,0	12
TPR-10	PG-48	34,0-44,0	59,3	14,0	64,0	64,0	48,0	12

					Long Thread			
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPRL-01	PG-7	3,0-6,5	12,5	10,0	14,0	14,0	22,0	50
TPRL-02	PG-9	4,0-8,0	15,2	10,0	17,0	17,0	23,0	50
TPRL-03	PG-11	5,0-10,0	18,6	10,0	20,0	20,0	25,0	50
TPRL-04	PG-13,5	6,0-12,0	20,4	10,0	22,0	22,0	26,0	50
TPRL-05	PG-16	10,0-14,0	22,5	10,0	24,0	24,0	28,0	25
TPRL-06	PG-21	13,0-18,0	28,3	12,0	30,0	30,0	32,0	25
TPRL-07	PG-29	18,0-25,0	37,0	12,0	40,0	40,0	38,0	20
TPRL-08	PG-36	22,0-32,0	47,0	14,0	50,0	50,0	43,0	15
TPRL-09	PG-42	30,0-38,0	54,0	18,0	57,0	57,0	47,0	12
TPRL-10	PG-48	34,0-44,0	59,3	18,0	64,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : NPT ANSI B1.20.1

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF - COLOURED

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

INSERT : POLYAMIDE 6

O-RING : NBR

CERTIFICATE : CE, ROHS

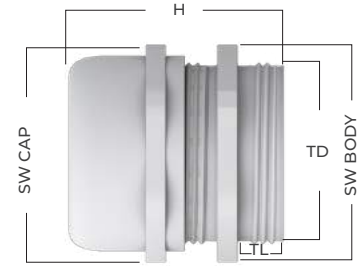
FEATURES

GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH
MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN
RELIEF | BEST GRADE MATERIAL | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
SOLAR SYSTEMS | CONSTRUCTION | CCTV | MARINE ,
SHIPYARD | ROBOT INDUSTRY | RENEWABLE ENERGY
APPLICATIONS

					Standard Thread				
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)		
TNR-01	3/8"	3,0-6,5	NPT 3/8"	11,5	19,0	17,0	22,0	50	
TNR-01S	3/8"	4,0-8,0	NPT 3/8"	11,5	20,0	20,0	23,0	50	
TNR-02	1/2"	6,0-12,0	NPT 1/2"	13,0	22,0	22,0	25,5	50	
TNR-02S	1/2"	10,0-14,0	NPT 1/2"	13,0	24,0	24,0	28,0	50	
TNR-03	3/4"	13,0-18,0	NPT 3/4"	13,0	30,0	30,0	35,0	25	
TNR-04	1"	18,0-25,0	NPT 1"	13,0	43,0	40,0	43,0	25	
TNR-05	1 1/4"	18,0-25,0	NPT 1 1/4"	15,0	43,0	40,0	50,0	20	
TNR-06	1 1/2"	22,0-32,0	NPT 1 1/2"	15,0	50,0	50,0	51,0	10	
TNR-07	2"	34,0-44,0	NPT 2"	15,0	65,0	64,0	55,0	5	



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : METRIC EN 60423
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE : -30°C /+100°C,-40°C /+150°C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF - COLOURED
SEAL : TPV, (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
CERTIFICATE : CE, ROHS

FEATURES

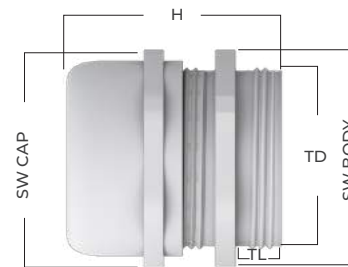
GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
 PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | NO CORROSION | EASY INSTALLATION
 | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | ACID
 RESISTANT | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
 FOOD INDUSTRY | CHEMICAL INDUSTRY | LIGHTING |
 TUNNEL LIGHTING

Standard Thread								
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TSSMR-0S	M12X1,5	3,0-6,5	12,0	6,0	14,0	14,0	22,0	50
TSSMR-01	M16X1,5	4,0-8,0	16,0	7,0	18,0	17,0	23,0	50
TSSMR-01S	M16X1,5	5,0-10,0	16,0	7,0	20,0	20,0	25,0	50
TSSMR-02	M20X1,5	6,0-12,0	20,0	8,0	22,0	22,0	27,0	50
TSSMR-02S	M20X1,5	10,0-14,0	20,0	8,0	22,0	22,0	27,0	50
TSSMR-03	M25X1,5	13,0-18,0	25,0	8,0	27,0	24,0	28,0	25
TSSMR-04	M32X1,5	18,0-25,0	32,0	9,0	36,0	30,0	32,0	25
TSSMR-05	M40X1,5	22,0-32,0	40,0	9,0	46,0	41,0	38,0	20
TSSMR-06	M50X1,5	30,0-38,0	50,0	9,0	55,0	50,0	43,0	15
TSSMR-07	M63X1,5	34,0-44,0	63,0	14,0	68,0	64,0	48,0	12
TSSMR-08	M63X1,5	37,0-53,0	63,0	16,0	74,0	77,0	54,0	10
TSSMR-09	M72X2,0	56,0-61,0	72,0	16,0	77,0	77,0	55,0	4
TSSMR-10	M80X2,0	60,0-66,0	80,0	16,0	90,0	90,0	57,0	2

Long Thread								
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TSSMRL-0S	M12X1,5	3,0-6,5	12,0	12,0	14,0	14,0	22,0	50
TSSMRL-01	M16X1,5	4,0-8,0	16,0	12,0	18,0	17,0	23,0	50
TSSMRL-01S	M16X1,5	5,0-10,0	16,0	12,0	20,0	20,0	25,0	50
TSSMRL-02	M20X1,5	6,0-12,0	20,0	12,0	22,0	22,0	27,0	50
TSSMRL-02S	M20X1,5	10,0-14,0	20,0	12,0	22,0	22,0	27,0	50
TSSMRL-03	M25X1,5	13,0-18,0	25,0	12,0	27,0	24,0	28,0	25
TSSMRL-04	M32X1,5	18,0-25,0	32,0	14,0	36,0	30,0	32,0	25
TSSMRL-05	M40X1,5	22,0-32,0	40,0	14,0	46,0	41,0	38,0	20
TSSMRL-06	M50X1,5	30,0-38,0	50,0	14,0	55,0	50,0	43,0	15
TSSMRL-07	M63X1,5	34,0-44,0	63,0	18,0	70,0	65,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : PG DIN 40430
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE : -30°C /+100°C, -40°C /+150°C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF - COLOURED
SEAL : TPV, (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
CERTIFICATE : CE, ROHS

FEATURES

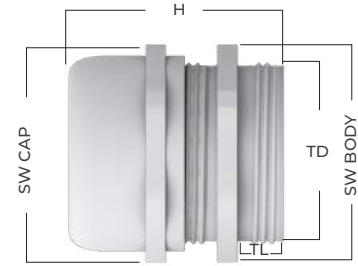
GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
 PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | NO CORROSION | EASY INSTALLATION
 | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | ACID
 RESISTANT | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
 FOOD INDUSTRY | CHEMICAL INDUSTRY | LIGHTING |
 TUNNEL LIGHTING

					Standard Thread			
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TSSR-01	PG-7	3,0-6,5	12,5	6,0	14,0	14,0	22,0	50
TSSR-02	PG-9	4,0-8,0	15,2	6,0	17,0	17,0	23,0	50
TSSR-03	PG-11	5,0-10,0	18,6	6,0	20,0	20,0	25,0	50
TSSR-04	PG-13,5	6,0-12,0	20,4	6,5	22,0	22,0	26,0	50
TSSR-05	PG-16	10,0-14,0	22,5	6,5	24,0	24,0	28,0	25
TSSR-06	PG-21	13,0-18,0	28,3	7,0	30,0	30,0	32,0	25
TSSR-07	PG-29	18,0-25,0	37,0	8,0	41,0	40,0	38,0	20
TSSR-08	PG-36	22,0-32,0	47,0	10,0	50,0	50,0	43,0	15
TSSR-09	PG-42	30,0-38,0	54,0	12,0	60,0	57,0	47,0	12
TSSR-10	PG-48	34,0-44,0	59,3	14,0	65,0	64,0	48,0	12

					Long Thread			
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TSSRL-01	PG-7	3,0-6,5	12,5	10,0	14,0	14,0	22,0	50
TSSRL-02	PG-9	4,0-8,0	15,2	10,0	17,0	17,0	23,0	50
TSSRL-03	PG-11	5,0-10,0	18,6	10,0	20,0	20,0	25,0	50
TSSRL-04	PG-13,5	6,0-12,0	20,4	10,0	22,0	22,0	26,0	50
TSSRL-05	PG-16	10,0-14,0	22,5	10,0	24,0	24,0	28,0	25
TSSRL-06	PG-21	13,0-18,0	28,3	12,0	30,0	30,0	32,0	25
TSSRL-07	PG-29	18,0-25,0	37,0	12,0	41,0	40,0	38,0	20
TSSRL-08	PG-36	22,0-32,0	47,0	14,0	50,0	50,0	43,0	15
TSSRL-09	PG-42	30,0-38,0	54,0	18,0	60,0	57,0	47,0	12
TSSRL-10	PG-48	34,0-44,0	59,3	18,0	65,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : NPT ANSI B1.20.1
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE : -30°C /+100°C,-40°C /+150°C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF - COLOURED
SEAL : TPV, (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
CERTIFICATE : CE, ROHS

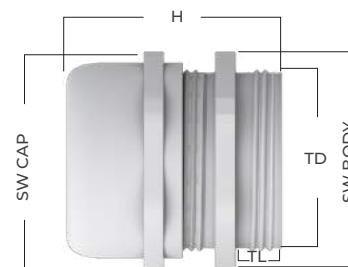
FEATURES

GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
 PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | NO CORROSION | EASY INSTALLATION
 | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | ACID
 RESISTANT | GOOD CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
 FOOD INDUSTRY | CHEMICAL INDUSTRY | LIGHTING |
 TUNNEL LIGHTING

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	Standard Thread				
					SW BODY (MM)	SW CAP (MM)	H (MM)		
TSSNR-01	3/8"	3,0-6,5	NPT 3/8"	11,5	19,0	17,0	22,0	50	
TSSNR-01S	3/8"	4,0-8,0	NPT 3/8"	11,5	20,0	20,0	23,0	50	
TSSNR-02	1/2"	6,0-12,0	NPT 1/2"	13,0	22,0	22,0	25,5	50	
TSSNR-02S	1/2"	10,0-14,0	NPT 1/2"	13,0	24,0	24,0	28,0	50	
TSSNR-03	3/4"	13,0-18,0	NPT 3/4"	13,0	30,0	30,0	35,0	25	
TSSNR-04	1"	18,0-25,0	NPT 1"	13,0	43,0	40,0	43,0	25	
TSSNR-05	1 1/4"	18,0-25,0	NPT 1 1/4"	15,0	43,0	40,0	50,0	20	
TSSNR-06	1 1/2"	22,0-32,0	NPT 1 1/2"	15,0	50,0	50,0	51,0	10	
TSSNR-07	2"	34,0-44,0	NPT 2"	15,0	65,0	64,0	55,0	5	



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF COLOURED

SEAL : TPV , (CHLOROPRENE IS OPTIONAL)

INSERT : POLYAMIDE 6

O-RING : NBR

SPRING : BERILLIUM COPPER

CERTIFICATE : CE, ROHS

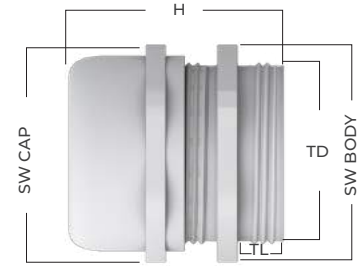
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
MATERIAL

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMRE-05	M12X1,5	3,0-6,5	12,0	6,0	14,0	14,0	22,0	50
TMRE-01	M16X1,5	4,0-8,0	16,0	7,0	18,0	17,0	23,0	50
TMRE-02	M20X1,5	6,0-12,0	20,0	8,0	22,0	22,0	27,0	50
TMRE-03	M25X1,5	10,0-14,0	20,0	8,0	22,0	22,0	27,0	50
TMRE-04	M32X1,5	13,0-18,0	25,0	8,0	27,0	24,0	28,0	25
TMRE-05	M40X1,5	18,0-25,0	32,0	9,0	36,0	30,0	32,0	25
TMRE-06	M50X1,5	22,0-32,0	40,0	9,0	46,0	40,0	38,0	20
TMRE-07	M63X1,5	34,0-44,0	63,0	14,0	70,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS
STANDARD : EN 62444
THREAD TYPE : PG DIN 40430
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF COLOURED
SEAL : TPV , (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
SPRING : BERYLLIUM COPPER
CERTIFICATE : CE, ROHS

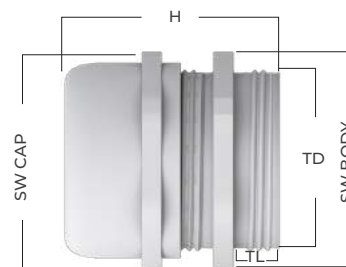
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
 HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
 EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
 MATERIAL | ACID RESISTANT

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
 MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
 TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPRE-01	PG-7	3,0-6,5	12,5	6,0	14,0	14,0	22,0	50
TPRE-02	PG-9	4,0-8,0	15,2	6,0	17,0	17,0	23,0	50
TPRE-03	PG-11	5,0-10,0	18,6	6,0	20,0	20,0	25,0	50
TPRE-04	PG-13,5	6,0-12,0	20,4	6,5	22,0	22,0	26,0	50
TPRE-05	PG-16	10,0-14,0	22,5	6,5	24,0	24,0	28,0	25
TPRE-06	PG-21	13,0-18,0	28,3	7,0	30,0	30,0	32,0	25
TPRE-07	PG-29	18,0-25,0	37,0	8,0	40,0	40,0	38,0	20
TPRE-08	PG-36	22,0-32,0	47,0	10,0	50,0	50,0	43,0	15
TPRE-09	PG-42	30,0-38,0	54,0	12,0	57,0	57,0	47,0	12
TPRE-10	PG-48	34,0-44,0	59,3	14,0	64,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : NPT ANSI B1.20.1

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF COLOURED

SEAL : TPV , (CHLOROPRENE IS OPTIONAL)

INSERT : POLYAMIDE 6

O-RING : NBR

SPRING : BERILLIUM COPPER

CERTIFICATE : CE, ROHS

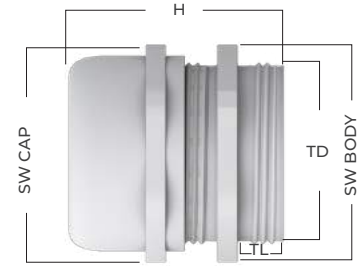
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
 HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
 EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
 MATERIAL

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
 MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
 TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TNRE-01	3/8"	5,0-10,0	NPT 3/8"	11,5	19,0	17,0	22,0	50
TNRE-02	1/2"	6,0-12,0	NPT 1/2"	13,0	22,0	22,0	25,5	50
TNRE-03	3/4"	10,0-14,0	NPT 1/2"	13,0	24,0	24,0	28,0	50
TNRE-04	1"	13,0-18,0	NPT 1"	13,0	30,0	30,0	35,0	25
TNRE-05	1 1/4"	18,0-25,0	NPT 1 1/4"	13,0	43,0	40,0	43,0	25



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : METRIC EN 60423
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF COLOURED
SEAL : TPV , (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
SPRING : BERILLIUM COPPER
CERTIFICATE : CE, ROHS

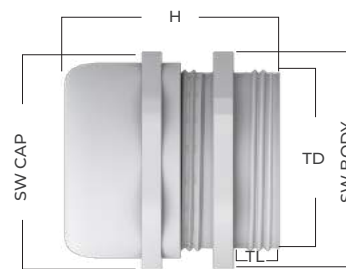
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
 HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
 EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
 MATERIAL

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
 MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
 TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMRES-05	M12X1,5	3,0-6,5	12,0	6,0	14,0	14,0	22,0	50
TMRES-01	M16X1,5	4,0-8,0	16,0	7,0	18,0	17,0	23,0	50
TMRES-02	M20X1,5	6,0-12,0	20,0	8,0	22,0	22,0	27,0	50
TMRES-03	M25X1,5	10,0-14,0	20,0	8,0	22,0	22,0	27,0	50
TMRES-04	M32X1,5	13,0-18,0	25,0	8,0	27,0	24,0	28,0	25
TMRES-05	M40X1,5	18,0-25,0	32,0	9,0	36,0	30,0	32,0	25
TMRES-06	M50X1,5	22,0-32,0	40,0	9,0	46,0	40,0	38,0	20
TMRES-07	M63X1,5	34,0-44,0	63,0	14,0	70,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)

STANDARD : EN 62444

THREAD TYPE : PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : SELF COLOURED

SEAL : TPV , (CHLOROPRENE IS OPTIONAL)

INSERT : POLYAMIDE 6

O-RING : NBR

SPRING : BERILLIUM COPPER

CERTIFICATE : CE, ROHS

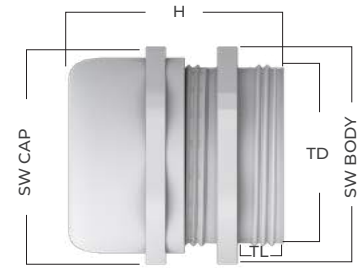
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
MATERIAL | ACID RESISTANT

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPRES-01	PG-7	3,0-6,5	12,5	6,0	14,0	14,0	22,0	50
TPRES-02	PG-9	4,0-8,0	15,2	6,0	17,0	17,0	23,0	50
TPRES-03	PG-11	5,0-10,0	18,6	6,0	20,0	20,0	25,0	50
TPRES-04	PG-13,5	6,0-12,0	20,4	6,5	22,0	22,0	26,0	50
TPRES-05	PG-16	10,0-14,0	22,5	6,5	24,0	24,0	28,0	25
TPRES-06	PG-21	13,0-18,0	28,3	7,0	30,0	30,0	32,0	25
TPRES-07	PG-29	18,0-25,0	37,0	8,0	40,0	40,0	38,0	20
TPRES-08	PG-36	22,0-32,0	47,0	10,0	50,0	50,0	43,0	15
TPRES-09	PG-42	30,0-38,0	54,0	12,0	57,0	57,0	47,0	12
TPRES-10	PG-48	34,0-44,0	59,3	14,0	64,0	64,0	48,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : NPT ANSI B1.20.1
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF COLOURED
SEAL : TPV , (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
SPRING : BERYLLIUM COPPER
CERTIFICATE : CE, ROHS

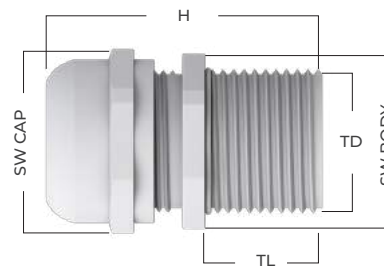
FEATURES

GOOD CLAMMING RANGE | PERFECT EMC PERFORMANCE |
 HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL
 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH |
 EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE
 MATERIAL

APPLICATIONS

MACHINE BUILDINGS | TELECOMMUNICATION | AUTO-
 MATION SYSTEMS | CCTV | MARINE , SHIPYARD |
 TRANSPORTATION APPLICATIONS

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TNRES-01	3/8"	5,0-10,0	NPT 3/8"	11,5	19,0	17,0	22,0	50
TNRES-02	1/2"	6,0-12,0	NPT 1/2"	13,0	22,0	22,0	25,5	50
TNRES-03	3/4"	10,0-14,0	NPT 1/2"	13,0	24,0	24,0	28,0	50
TNRES-04	1"	13,0-18,0	NPT 1"	13,0	30,0	30,0	35,0	25
TNRES-05	1 1/4"	18,0-25,0	NPT 1 1/4"	13,0	43,0	40,0	43,0	25



TECHNICAL INFORMATION

MATERIAL : BRASS, NICKEL PLATED BRASS, STAINLESS STEEL, ALUMINIUM

STANDARD : EN 62444 INSERT : POLYAMIDE 6

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE: -30C / +120C CLH , -40C / +100C NEOPRENE

-30C / +120C TPV , -60C / +130C SILICONE

FLAMMABILITY CLASS : UL94V0

SEAL TYPE: TPV , NEOPRENE , NBR , SILICONE

O-RING : NBR

CERTIFICATE : CE, ROHS

MARKING : II 26 EX D/E IIC GB/IM2 EXD/E I MB / EX TB IIIC DB

APPLICATION: ZONE 1, ZONE 2, ZONE 21, ZONE 22

FEATURES

GOOD CLAMMING RANGE | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | UL 94 V0 FLAME RETARDANCY | HIGH
MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN
RELIEF | BEST GRADE MATERIAL | ACID RESISTANT | GOOD
CHEMICAL RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
SOLAR SYSTEMS | CONSTRUCTION | CCTV | MARINE ,
SHIPYARD | ROBOT INDUSTRY | RENEWABLE ENERGY
APPLICATIONS

CODING INFORMATION

Type of Products		FEU		Material		Silicon	
Thread Type	M (Metric)			B (Brass)	S (Stainless Steel)		T (TPV)
	P (Panzer PG)						NB (NBR)
	N (Conic NPT)						N (Neopren)
				Plate	N (Nickel)		S (Silicon)

FEU - XX - XX - XX - XX

Series No

Examples
FEU-M12TBN
FEU-M25 XX XX

Type of Thread

Thread Size

Type of Seal

Kind of Materials

Description

Production Group, M12x1,5, Thread Size, TPV Seal, Brass Material, Nickel Plated
Production Group, M25x1,5, Thread Size, XX Seal, XX Material, XX Plated

Temperature Range Of Seal Type

TPV Seal	-40 °C / +130 °C
NBR Seal	-40 °C / +130 °C
Neoprene Seal	-40 °C / +130 °C
Silicon Seal	-40 °C / +130 °C

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM) D PROTECTION	TL (MM) E PROTECTION	SW BODY (MM)	SW CAP (MM)	H (MM)	
FEU-M12 XXX	M12 X1,5	3,0-6,5	12,0	16	7	14	14		50
FEU-M16S XXX	M 16X1,5	4,0-8,0	16,0	16	7	18	17		50
FEU-M16 XXX	M 16X1,5	5,0-10,0	16,0	16	7	20	20		50
FEU-M20S XXX	M 20X1,5	6,0-12,0	20,0	16	8	22	22		50
FEU-M20 XXX	M 20X1,5	10,0-14,0	20,0	16	8	24	24		50
FEU-M25S XX XX	M 25X1,5	10,0-14,0	25,0	16	8	27	24		25
FEU-M25 XX XX	M 25X1,5	13,0-18,0	25,0	16	8	30	30		25
FEU-M32S XX XX	M 32X1,5	13,0-18,0	32,0	20	9	34	30		25
FEU-M32 XX XX	M 32X1,5	18,0-25,0	32,0	20	9	40	40		25
FEU-M40S XX XX	M 40X1,5	18,0-25,0	40,0	20	9	43	40		20
FEU-M40 XXX	M 40X1,5	22,0-32,0	40,0	20	9	50	50		20
FEU-M50S XXX	M 50X1,5	22,0-32,0	50,0	22	9	55	50		15
FEU-M50 XX XX	M 50X1,5	30,0-38,0	50,0	22	9	58	58		15
FEU-M63S XX XX	M 63X1,5	30,0-38,0	63,0	24	14	68	58		12
FEU-M63 XX XX	M 63X1,5	34,0-44,0	63,0	24	14	68	64		12
FEU-M63L XX XX	M 63X1,5	37,0-53,0	63,0	24	14	74	77		10
FEU-M72 XX XX	M 72X2,0	37,0-53,0	72,0	24	16	74	77		4
FEU-M75 XX XX	M 75X2,0	56,0-63,0	75,0	26	16	77	77		4
FEU-M80 XX XX	M 80X2,0	60,0-66,0	80,0	26	18	90	90		2

Metric Thread

Cable Glands

Corrugated Plastic Conduits & Fittings

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM) D PROTECTION	TL (MM) E PROTECTION	SW BODY (MM)	SW CAP (MM)	H (MM)	
FEU-N14 XX XX	N 1/4"	3,0-6,5		16	7	14	14		50
FEU-N38S XX XX	N 3/8"	4,0-8,0	17,0	16	7	18	17		50
FEU-N38 XX XX	N 3/8"	5,0-10,0	17,0	16	7	20	20		50
FEI-N12 SXX XX	N 1/2"	6,0-10,0	21,3	16	8	22	22		50
FEU-N12 XX XX	N 1/2"	10,0-14,0	21,3	16	8	24	24		50
FEU-N34S XX XX	N 3/4"	10,0-14,0	26,6	16	8	27	27		25
FEU-N34 XX XX	N 3/4"	13,0-18,0	26,6	16	8	30	30		25
FEU-N1S XX XX	N 1"	13,0-18,0	33,4	20	9	34	30		25
FEU-N1 XX XX	N 1"	18,0-25,0	33,4	20	9	40	40		25
FEU-N114S XX XX	N 1 1/4"	18,0-25,0	42,0	20	9	43	40		20
FEU-N114 XX XX	N 1 1/4"	22,0-32,0	42,0	20	9	50	50		20
FEU-N112S XX XX	N 1 1/2"	22,0-32,0	48,2	22	9	55	50		15
FEU-N112 XX XX	N 1 1/2"	30,0-38,0	48,2	22	9	58	58		15
FEU-N2S XX XX	N 2"	30,0-38,0	60,3	24	14	68	58		12
FEU-N2 XX XX	N 2"	34,0-44,0	60,3	24	14	68	64		12
FEU-N2L XX XX	N 2"	37,0-53,0	60,3	24	14	74	77		10
FEU-N212 XX XX	N 2 1/2"	37,0-53,0		24	16	74	77		4
FEU-N212 XX XX	N 2 1/2"	56,0-63,0		25	16	77	77		4
FEU-N3 XX XX	N 3"	60,0-66,0		26	18	90	90		2

NPT Thread

Flexible Steel Conduits & Fittings

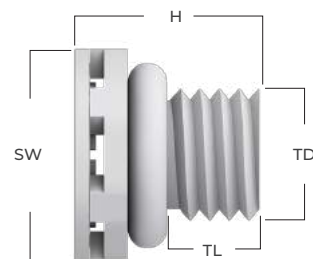
Residential Type Conduits & Fittings

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM) D PROTECTION	TL (MM) E PROTECTION	SW BODY (MM)	SW CAP (MM)	H (MM)	
FEU-P7 XX XX	PG 7	3,0-6,5	12,5	16	7	14	14		50
FEU-P9 XX XX	PG 9	4,0-8,0	15,2	16	8	17	17		50
FEU-P11 XX XX	PG 11	5,0-10,0	18,6	16	8	20	20		50
FEU-P13 XX XX	PG 13,5	6,0-12,0	20,4	16	8	22	22		50
FEU-P16 XX XX	PG 16	10,0-14,0	22,5	16	8	24	24		25
FEU-P21 XX XX	PG 21	13,0-16,0	28,3	16	9	30	30		25
FEU-P29 XX XX	PG 29	18,0-25,0	37,0	20	9	40	40		20
FEU-P36 XX XX	PG 36	22,0-32,0	47,0	20	9	50	50		15
FEU-P42 XX XX	PG 42	30,0-38,0	54,0	22	14	58	58		12
FEU-P48 XX XX	PG 48	34,0-44,0	59,3	24	15	64	64		12

PG Thread

Pre - Wired Conduits

Expandable Braided Sleeving



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C, -40°C / +150°C (SHORT TERM)

FLAMMABILITY CLASS : UL94V2

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

O-RING : NBR

MEMBRANE : PTFE (HYDROPHOBIC)

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

CERTIFICATE : CE, ROHS

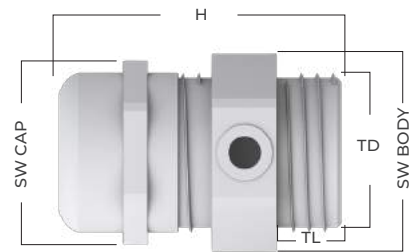
FEATURES

PERFECT VENTILATION PERFORMANCE | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

LIGHTING | CABINETS | MACHINE BUILDINGS | AUTOMATION SYSTEMS | MARINE , SHIPYARD

						Standard Thread				
GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	AVERAGE AIR FLOW (l / h)	WATER INTRUSION PRESSURA (BAR)	TD (MM)	TL (MM)	SW (MM)	H (MM)	
TMOV-M12/1-G	TMOV-M12/1-S	TMOV-M12/1-AG	M12X1,5	16,0	0,8	12,0	6,0	18,0	11,0	50
TMOV-M12/2-G	TMOV-M12/2-S	TMOV-M12/2-AG	M12X1,5	25,0	0,5	12,0	6,0	18,0	11,0	50"
TMOV-M12/3-G	TMOV-M12/3-S	TMOV-M12/3-AG	M12X1,5	130,0	0,2	12,0	6,0	18,0	11,0	50
TMOV-M12/4-G	TMOV-M12/4-S	TMOV-M12/4-AG	M12X1,5	300,0	0,1	12,0	6,0	18,0	11,0	50"



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS
STANDARD : EN 62444
THREAD TYPE : METRIC EN 60423 , PG DIN 40430
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE : -30°C /+100°C,-40°C /+150°C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF - COLOURED
SEAL : TPV, (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
MEMBRANE : PTFE (HYDROPHOBIC)
CERTIFICATE : CE, ROHS

FEATURES

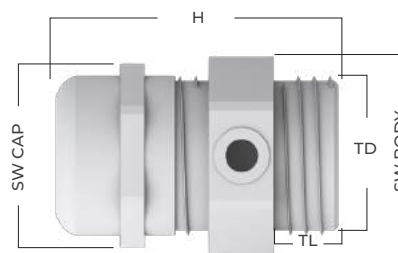
GOOD CLAMMING RANGE | PERFECT VENTILATION PERFORMANCE | HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE MATERIAL

APPLICATIONS

LIGHTING | CABINETS | MACHINE BUILDINGS | AUTOMATION SYSTEMS | MARINE , SHIPYARD

Metric Thread										
CODE	SIZE	CLAMMING RANGE (MM)	AVERAGE AIR FLOW (l / h)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMRV-M12	M12X1,5	4,0-8,0	25	0,1	12,0	6,0	17,0	17,0	29,0	50
TMRV-M12/1	M12X1,5	4,0-8,0	25	0,1	12,0	8,0	17,0	17,0	29,0	50
TMRV-M16	M16X1,5	4,0-8,0	25	0,1	16,0	6,0	17,0	17,0	29,0	50
TMRV-M16/1	M16X1,5	4,0-8,0	25	0,1	16,0	8,0	17,0	17,0	29,0	50
TMRV-M16/2	M16X1,5	5,0-10,0	35	0,1	16,0	6,0	20,0	20,0	30,0	50
TMRV-M16/3	M16X1,5	5,0-10,0	35	0,1	20,0	8,0	20,0	20,0	30,0	50
TMRV-M20	M20X1,5	6,0-12,0	50	0,1	20,0	8,0	22,0	22,0	31,0	50

PG Thread										
CODE	SIZE	CLAMMING RANGE (MM)	AVERAGE AIR FLOW (l / h)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPRV-PG7	PG-7	4,0-8,0	25	0,1	12,5	6,0	17,0	17,0	29,0	50
TPRV-PG7/1	PG-7	4,0-8,0	25	0,1	15,2	8,0	17,0	17,0	29,0	50
TPRV-PG9	PG-9	4,0-8,0	25	0,1	15,2	6,0	17,0	17,0	29,0	50
TPRV-PG9/1	PG-9	4,0-8,0	25	0,1	15,2	8,0	17,0	17,0	29,0	50
TPRV-PG11	PG-11	5,0-10,0	35	0,1	18,6	6,0	20,0	20,0	30,0	50
TPRV-PG11/1	PG-11	5,0-10,0	35	0,1	20,4	8,0	20,0	20,0	30,0	50
TPRV-PG13,5	PG-13,5	6,0-12,0	50	0,1	22,5	6,5	22,0	22,0	31,0	50
TPRV-PG13,5/1	PG-13,5	6,0-12,0	50	0,1	28,3	8,0	22,0	22,0	31,0	50



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : METRIC EN 60423 , PG DIN 40430
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE : -30°C /+100°C,-40°C /+150°C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : SELF - COLOURED
SEAL : TPV, (CHLOROPRENE IS OPTIONAL)
INSERT : POLYAMIDE 6
O-RING : NBR
MEMBRANE : PTFE (HYDROPHOBIC)
CERTIFICATE : CE, ROHS

FEATURES

GOOD CLAMMING RANGE | PERFECT VENTILATION PERFORMANCE | HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

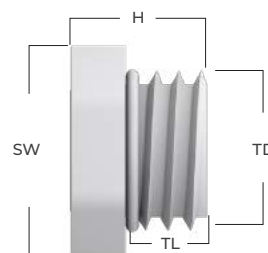
LIGHTING | CABINETS | MACHINE BUILDINGS | AUTOMATION SYSTEMS | MARINE , SHIPYARD

Metric Thread

CODE	SIZE	CLAMMING RANGE (MM)	AVERAGE AIR FLOW (l / h)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TMRVS-M12	M12X1,5	4,0-8,0	25	0,1	12,0	6,0	17,0	17,0	29,0	50
TMRVS-M12/1	M12X1,5	4,0-8,0	25	0,1	12,0	8,0	17,0	17,0	29,0	50
TMRVS-M16	M16X1,5	4,0-8,0	25	0,1	16,0	6,0	17,0	17,0	29,0	50
TMRVS-M16/1	M16X1,5	4,0-8,0	25	0,1	16,0	8,0	17,0	17,0	29,0	50
TMRVS-M16/2	M16X1,5	5,0-10,0	35	0,1	16,0	6,0	20,0	20,0	30,0	50
TMRVS-M16/3	M16X1,5	5,0-10,0	35	0,1	20,0	8,0	20,0	20,0	30,0	50
TMRVS-M20	M20X1,5	6,0-12,0	50	0,1	20,0	8,0	22,0	22,0	31,0	50

PG Thread

CODE	SIZE	CLAMMING RANGE (MM)	AVERAGE AIR FLOW (l / h)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TPRVS-PG7	PG-7	4,0-8,0	25	0,1	12,5	6,0	17,0	17,0	29,0	50
TPRVS-PG7/1	PG-7	4,0-8,0	25	0,1	15,2	8,0	17,0	17,0	29,0	50
TPRVS-PG9	PG-9	4,0-8,0	25	0,1	15,2	6,0	17,0	17,0	29,0	50
TPRVS-PG9/1	PG-9	4,0-8,0	25	0,1	15,2	8,0	17,0	17,0	29,0	50
TPRVS-PG11	PG-11	5,0-10,0	35	0,1	18,6	6,0	20,0	20,0	30,0	50
TPRVS-PG11/1	PG-11	5,0-10,0	35	0,1	20,4	8,0	20,0	20,0	30,0	50
TPRVS-PG13,5	PG-13,5	6,0-12,0	50	0,1	22,5	6,5	22,0	22,0	31,0	50
TPRVS-PG13,5/1	PG-13,5	6,0-12,0	50	0,1	28,3	8,0	22,0	22,0	31,0	50



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)

COLOR : SELF COLOURED

O-RING : NBR

MEMBRANE : PTFE (HYDROPHOBIC)

CERTIFICATE : CE, ROHS

FEATURES

PERFECT VENTILATION PERFORMANCE | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL

APPLICATIONS

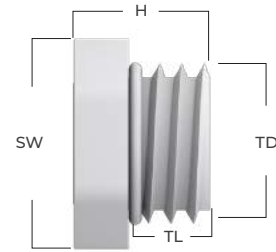
LIGHTING | CABINETS | MACHINE BUILDINGS | AUTOMATION SYSTEMS | MARINE , SHIPYARD

Standart Thread

CODE	SIZE	AVERAGE AIR FLOW (l / H)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW (MM)	H (MM)	
TMKV-1/1	M12X1,5	16,0	0,8	12,0	6,0	15,0	11,0	50
TMKV-1/2	M12X1,5	25,0	0,5	12,0	6,0	15,0	11,0	50
TMKV-1/3	M12X1,5	130,0	0,2	12,0	6,0	15,0	11,0	50
TMKV-1/4	M12X1,5	300,0	0,1	12,0	6,0	15,0	11,0	50
TMKV-2/1	M16X1,5	16,0	0,8	16,0	6,0	18,0	11,0	50
TMKV-2/2	M16X1,5	25,0	0,5	16,0	6,0	18,0	11,0	50
TMKV-2/3	M16X1,5	130,0	0,2	16,0	6,0	18,0	11,0	50
TMKV-2/4	M16X1,5	300,0	0,1	16,0	6,0	18,0	11,0	50
TMKV-3/1	M20X1,5	16,0	0,8	20,0	6,0	22,0	11,0	50
TMKV-3/2	M20X1,5	25,0	0,5	20,0	6,0	22,0	11,0	50
TMKV-3/3	M20X1,5	130,0	0,2	20,0	6,0	22,0	11,0	50
TMKV-3/4	M20X1,5	300,0	0,1	20,0	6,0	22,0	11,0	50

Long Thread

CODE	SIZE	AVERAGE AIR FLOW (l / H)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW (MM)	H (MM)	
TMKV-1/1L	M12X1,5	16,0	0,8	12,0	10,0	15,0	15,0	50
TMKV-1/2L	M12X1,5	25,0	0,5	12,0	10,0	15,0	15,0	50
TMKV-1/3L	M12X1,5	130,0	0,2	12,0	10,0	15,0	15,0	50
TMKV-1/4L	M12X1,5	300,0	0,1	12,0	10,0	15,0	15,0	50
TMKV-2/1L	M16X1,5	16,0	0,8	16,0	10,0	18,0	15,0	50
TMKV-2/2L	M16X1,5	25,0	0,5	16,0	10,0	18,0	15,0	50
TMKV-2/3L	M16X1,5	130,0	0,2	16,0	10,0	18,0	15,0	50
TMKV-2/4L	M16X1,5	300,0	0,1	16,0	10,0	18,0	15,0	50
TMKV-3/1L	M20X1,5	16,0	0,8	20,0	10,0	22,0	15,0	50
TMKV-3/2L	M20X1,5	25,0	0,5	20,0	10,0	22,0	15,0	50
TMKV-3/3L	M20X1,5	130,0	0,2	20,0	10,0	22,0	15,0	50
TMKV-3/4L	M20X1,5	300,0	0,1	20,0	10,0	22,0	15,0	50



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)
STANDARD : EN 62444
THREAD TYPE : METRIC EN 60423
PROTECTION CLASS : IP 68 / 5 BAR
OPERATING TEMPERATURE: -30C / +100C , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94V2
COLOR : METALLIC GREY
INSERT : POLYAMIDE 6
O-RING : NBR
MEMBRANE : PTFE (HYDROPHOBIC)
CERTIFICATE : CE, ROHS

FEATURES

PERFECT VENTILATION PERFORMANCE | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

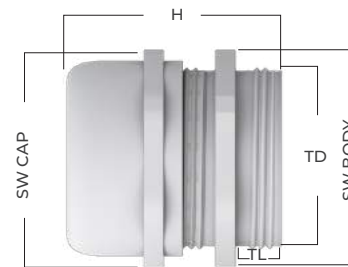
LIGHTING | CABINETS | MACHINE BUILDINGS | AUTOMATION SYSTEMS | MARINE , SHIPYARD

Standart Thread

CODE	SIZE	AVERAGE AIR FLOW (l / H)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW (MM)	H (MM)	
TMKVS-1/1	M12X1,5	16,0	0,8	12,0	6,0	15,0	11,0	50
TMKVS-1/2	M12X1,5	25,0	0,5	12,0	6,0	15,0	11,0	50
TMKVS-1/3	M12X1,5	130,0	0,2	12,0	6,0	15,0	11,0	50
TMKVS-1/4	M12X1,5	300,0	0,1	12,0	6,0	15,0	11,0	50
TMKVS-2/1	M16X1,5	16,0	0,8	16,0	6,0	18,0	11,0	50
TMKVS-2/2	M16X1,5	25,0	0,5	16,0	6,0	18,0	11,0	50
TMKVS-2/3	M16X1,5	130,0	0,2	16,0	6,0	18,0	11,0	50
TMKVS-2/4	M16X1,5	300,0	0,1	16,0	6,0	18,0	11,0	50
TMKVS-3/1	M20X1,5	16,0	0,8	20,0	6,0	22,0	11,0	50
TMKVS-3/2	M20X1,5	25,0	0,5	20,0	6,0	22,0	11,0	50
TMKVS-3/3	M20X1,5	130,0	0,2	20,0	6,0	22,0	11,0	50
TMKVS-3/4	M20X1,5	300,0	0,1	20,0	6,0	22,0	11,0	50

Long Thread

CODE	SIZE	AVERAGE AIR FLOW (l / H)	WATER INTRUSION PRESSURE (BAR)	TD (MM)	TL (MM)	SW (MM)	H (MM)	
TMKVS-1/1L	M12X1,5	16,0	0,8	12,0	10,0	15,0	15,0	50
TMKVS-1/2L	M12X1,5	25,0	0,5	12,0	10,0	15,0	15,0	50
TMKVS-1/3L	M12X1,5	130,0	0,2	12,0	10,0	15,0	15,0	50
TMKVS-1/4L	M12X1,5	300,0	0,1	12,0	10,0	15,0	15,0	50
TMKVS-2/1L	M16X1,5	16,0	0,8	16,0	10,0	18,0	15,0	50
TMKVS-2/2L	M16X1,5	25,0	0,5	16,0	10,0	18,0	15,0	50
TMKVS-2/3L	M16X1,5	130,0	0,2	16,0	10,0	18,0	15,0	50
TMKVS-2/4L	M16X1,5	300,0	0,1	16,0	10,0	18,0	15,0	50
TMKVS-3/1L	M20X1,5	16,0	0,8	20,0	10,0	22,0	15,0	50
TMKVS-3/2L	M20X1,5	25,0	0,5	20,0	10,0	22,0	15,0	50
TMKVS-3/3L	M20X1,5	130,0	0,2	20,0	10,0	22,0	15,0	50
TMKVS-3/4L	M20X1,5	300,0	0,1	20,0	10,0	22,0	15,0	50



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

THREAD TYPE : METRIC EN 60423, PG DIN 40430

PROTECTION CLASS : IP 68 / 3 BAR

OPERATING TEMPERATURE : -20°C /+100°C,-40°C /+150°C (SHORT TERM)

COLOR : SELF - COLOURED

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

O-RING : NBR

CERTIFICATE : CE, ROHS

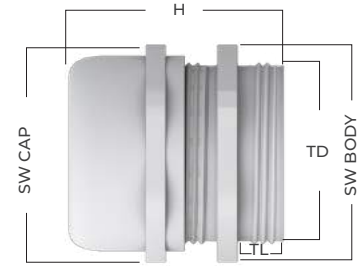
FEATURES

GOOD CLAMMING RANGE | EASY TO ASSEMBLE | APPROPRIATE TO USE IN LIMITED APPLICATION AREAS | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | GOOD CHEMICAL RESISTANT

APPLICATIONS

LIGHTING INDUSTRY | ELECTRONICS | MACHINE BUILDINGS | CCTV | ROBOT INDUSTRY

CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	Standard Thread				
					SW BODY (MM)	SW CAP (MM)	H (MM)		
TMRM-05	M6	2,0-3,0	6	6,0	8	8	16,5	50	
TMRM-01	M8	3,0-5,0	8	6,0	11	11	21,5	50	
TMRM-02	M8	2,0-4,0	8	6,0	14	14	21,5	50	
TMRM-03	M10	4,0-6,0	10	6,0	12	12	20,5	50	
TMRM-04	M10	2,0-4,0	10	6,0	14	14	21	50	
TMRM-05	M10	3,0-6,0	10	6,0	14	14	21	50	
TMRM-06	M12	2,0-4,0	12	6,0	14	14	21	50	
TMRM-07	M12	3,0-6,0	12	6,0	14	14	21	50	
TPRM-01	PG-7	2,0-4,0	12,5	6,0	14	14	21	50	
TPRM-02	PG-7	3,0-5,0	12,5	6,0	14	14	21	50	
TPRM-03	PG-7	3,0-5,0	12,5	6,0	14	14	21	50	
TPRM-04	PG-9	4,0-6,0	15,2	6,0	17	17	22,5	50	
TPRM-05	PG-9	6,0-8,0	15,2	6,0	17	17	22,5	50	



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL

THREAD TYPE : METRIC EN 60423, PG DIN 40430

PROTECTION CLASS : IP 68 / 3 BAR

OPERATING TEMPERATURE : -20°C /+100°C,-40°C /+150°C (SHORT TERM)

COLOR : SELF - COLOURED

SEAL : TPV, (CHLOROPRENE IS OPTIONAL)

CLOSING SEAL : TPV

O-RING : NBR

CERTIFICATE : CE, ROHS

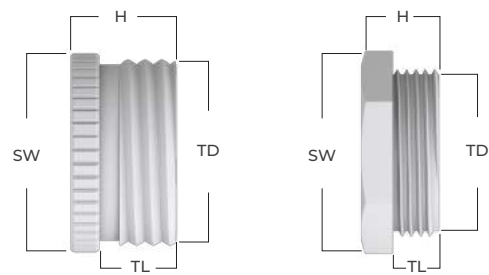
FEATURES

GOOD CLAMMING RANGE | EASY TO ASSEMBLE | APPROPRIATE TO USE IN LIMITED APPLICATION AREAS | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | HIGH STRAIN RELIEF | BEST GRADE MATERIAL | GOOD CHEMICAL RESISTANT

APPLICATIONS

LIGHTING INDUSTRY | ELECTRONICS | MACHINE BUILDINGS
| CCTV | ROBOT INDUSTRY

					Standard Thread			
CODE	SIZE	CLAMMING RANGE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	
TSSMRM-05	M6	2,0-3,0	6	6,0	8	8	16,5	50
TSSMRM-01	M8	3,0-5,0	8	6,0	11	11	21,5	50
TSSMRM-02	M8	2,0-4,0	8	6,0	14	14	21,5	50
TSSMRM-03	M10	4,0-6,0	10	6,0	12	12	20,5	50
TSSMRM-04	M10	2,0-4,0	10	6,0	14	14	21	50
TSSMRM-05	M10	3,0-6,0	10	6,0	14	14	21	50
TSSMRM-06	M12	2,0-4,0	12	6,0	14	14	21	50
TSSMRM-07	M12	3,0-6,0	12	6,0	14	14	21	50
TSSRM-01	PG-7	2,0-4,0	12,5	6,0	14	14	21	50
TSSRM-02	PG-7	3,0-5,0	12,5	6,0	14	14	21	50
TSSRM-03	PG-7	3,0-5,0	12,5	6,0	14	14	21	50
TSSRM-04	PG-9	4,0-6,0	15,2	6,0	17	17	22,5	50
TSSRM-05	PG-9	6,0-8,0	15,2	6,0	17	17	22,5	50



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS, STAINLESS STEEL, AISI 303 / AISI 316L

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68

OPERATING TEMPERATURE: -30C / +100C

COLOR : SELF COLOURED

O-RING : NBR

FEATURES

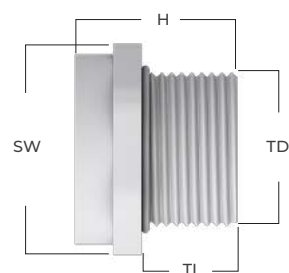
HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

WHERE TO NEED ADAPT DIFFERENT THREADS TO EACH OTHER

CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	Ø (MM)	H (MM)		
REM16M12X	M16X1,5	M12X1,5	16,0	6,0	18,0	18,0	9,0	100	Metric Thread
REM20M12X	M20X1,5	M12X1,5	20,0	6,0	22,0	24,0	9,0	100	
REM20M16X	M20X1,5	M16X1,5	20,0	6,0	22,0	24,0	9,0	100	
REM25M16X	M25X1,5	M16X1,5	25,0	7,0	27,0	30,0	10,0	50	
REM25M20X	M25X1,5	M20X1,5	25,0	7,0	27,0	30,0	10,0	50	
REM32M16X	M32X1,5	M16X1,5	32,0	8,0	34,0	35,0	11,0	50	
REM32M20X	M32X1,5	M20X1,5	32,0	8,0	34,0	35,0	11,0	50	
REM32M25X	M32X1,6	M25X1,6	32,0	8,0	34,0	35,0	11,0	50	
REM40M20X	M40X1,5	M20X1,5	40,0	8,0	45,0	45,0	12,0	25	
REM40M25X	M40X1,5	M25X1,5	40,0	8,0	45,0	45,0	12,0	25	
REM40M32X	M40X1,5	M32X1,5	40,0	8,0	45,0	45,0	12,0	25	
REM50M25X	M50X1,5	M25X1,5	50,0	10,0	55,0	55,0	14,0	10	
REM50M32X	M50X1,5	M32X1,5	50,0	10,0	55,0	55,0	14,0	10	
REM50M40X	M50X1,5	M40X1,5	50,0	10,0	55,0	55,0	14,0	10	
REM63M32X	M63X1,5	M32X1,5	63,0	10,0	65,0	68,0	14,0	10	
REM63M40X	M63X1,5	M40X1,5	63,0	10,0	65,0	68,0	14,0	10	
REM63M50X	M63X1,5	M50X1,5	63,0	10,0	65,0	68,0	14,0	10	

CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	Ø (MM)	H (MM)		
REPG9PG7X	PG-9	PG-7	15,2	6,0	20,0	20,0	9,0	100	PG Thread
REPG11PG9X	PG-11	PG-9	18,6	6,0	20,0	20,0	9,0	100	
REPG13,5PG9X	PG-13,5	PG-9	20,4	6,5	22,0	22,0	9,5	100	
REPG13,5PG11X	PG-13,5	PG-11	20,4	6,5	22,0	-	9,5	50	
REPG16PG9X	PG-16	PG-9	22,5	6,5	24,0	24,0	9,5	50	
REPG16PG11X	PG-16	PG-11	22,5	6,5	24,0	24,0	9,5	50	
REPG16PG13,5X	PG-16	PG-13,5	22,5	6,5	24,0	-	9,5	50	
REPG21PG11X	PG-21	PG-11	28,3	7,0	30,0	30,0	11,0	50	
REPG21PG13,5X	PG-21	PG-13,5	28,3	7,0	30,0	30,0	11,0	25	
REPG21PG16X	PG-21	PG-16	28,3	7,0	30,0	30,0	11,0	25	
REPG29PG16X	PG-29	PG-16	37,0	8,0	40,0	40,0	12,0	25	
REPG29PG21X	PG-29	PG-21	37,0	8,0	40,0	40,0	12,0	10	
REPG36PG21X	PG-36	PG-21	47,0	9,0	50,0	50,0	13,0	10	
REPG36PG29X	PG-36	PG-29	47,0	9,0	50,0	50,0	13,0	10	
REPG42PG29X	PG-42	PG-29	54,0	10,0	60,0	60,0	14,0	10	
REPG42PG36X	PG-42	PG-36	54,0	10,0	60,0	60,0	14,0	10	
REPG48PG36X	PG-48	PG-36	59,3	10,0	64,0	64,0	14,0	10	
REPG48PG42X	PG-48	PG-42	59,3	10,0	64,0	64,0	14,0	10	



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS, STAINLESS STEEL, AISI 303 / AISI 316L

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68

OPERATING TEMPERATURE: -30C / +100C

COLOR : SELF COLOURED

O-RING : NBR

FEATURES

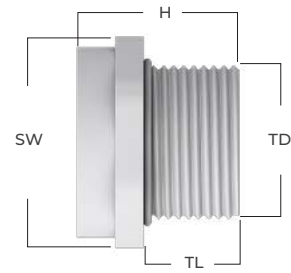
HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

WHERE TO NEED ADAPT DIFFERENT THREADS TO EACH OTHER

					Metric Thread		
CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	H (MM)	
ENM12M16X	M12X1,5	M16X1,5	12,0	6,0	18,0	14,0	100
ENM16M20X	M16X1,5	M20X1,5	16,0	6,0	22,0	14,0	100
ENM20M25X	M20X1,5	M25X1,5	20,0	6,0	27,0	14,0	50
ENM25M32X	M25X1,5	M32X1,5	25,0	7,0	34,0	17,0	50
ENM32M40X	M32X1,5	M40X1,5	32,0	8,0	45,0	19,0	50
ENM40M50X	M40X1,5	M50X1,5	40,0	8,0	55,0	19,0	10
ENM50M63X	M50X1,5	M63X1,5	50,0	10,0	70,0	22,0	10

					Pg Thread		
CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	H (MM)	
ENPG7PG9X	PG-7	PG-9	12,5	6,0	18,0	14,0	100
ENPG9PG11X	PG-9	PG-11	15,2	6,0	21,0	14,0	100
ENPG11PG13,5X	PG-11	PG-13,5	18,6	6,0	23,0	14,0	100
ENPG13,5PG16X	PG-13,5	PG-16	20,4	7,0	26,0	14,0	100
ENPG16PG21X	PG-16	PG-21	22,5	7,0	32,0	16,0	50
ENPG21PG29X	PG-21	PG-29	28,3	7,0	43,0	16,0	50
ENPG29PG36X	PG-29	PG-36	37,0	8,0	50,0	19,0	25
ENPG36PG42X	PG-36	PG-42	47,0	8,0	60,0	19,0	10
ENPG42PG48X	PG-42	PG-48	54,0	10,0	64,0	23,0	10



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS, STAINLESS STEEL, AISI 303 / AISI 316L

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68

OPERATING TEMPERATURE: -30C / +100C

COLOR : SELF COLOURED

O-RING : NBR

FEATURES

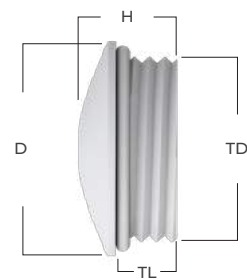
HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

APPLICATIONS

WHERE TO NEED ADAPT DIFFERENT THREADS TO EACH OTHER

					Metric Thread		
CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	H (MM)	
ADPG7M12X	PG-7	M12X1,5	12,5	6,0	14,0	14,0	100
ADPG9M12X	PG-9	M16X1,5	15,2	6,0	19,0	14,0	100
ADPG11M16X	PG-11	M16X1,5	18,6	6,0	21,0	14,0	100
ADPG13,5M20X	PG-13,5	M20X1,5	20,4	6,0	23,0	14,0	100
ADPG16M20X	PG-16	M20X1,6	22,5	6,0	26,0	14,0	100
ADPG16M25X	PG-16	M25X1,5	22,5	7,0	29,0	16,0	100
ADPG21M25X	PG-21	M25X1,5	28,3	7,0	30,0	16,0	100
ADPG21M32X	PG-21	M32X1,5	28,3	8,0	35,0	19,0	100
ADPG29M40X	PG-29	M40X1,5	37,0	8,0	45,0	19,0	50
ADPG36M50X	PG-36	M50X1,5	47,0	8,0	55,0	19,0	25
ADPG48M63X	PG-42	M63X1,5	59,3	10,0	70,0	23,0	10

					Pg Thread		
CODE	OUTER SIZE	INNER SIZE	TD (MM)	TL (MM)	SW (MM)	H (MM)	
ADM12PG7X	PG-7	M12X1,5	12,0	6,0	14,0	14,0	100
ADM12PG9X	PG-9	M12X1,5	12,0	6,0	17,0	14,0	100
ADM16PG11X	PG-11	M16X1,5	16,0	6,0	21,0	14,0	100
ADM20PG13,5X	PG-13,5	M20X1,5	20,0	6,0	22,0	14,0	100
ADM20PG16X	PG-16	M20X1,5	20,0	6,0	23,0	14,0	50
ADM25PG16X	PG-21	M25X1,5	25,0	7,0	27,0	16,0	50
ADM25PG21X	PG-29	M25X1,5	25,0	7,0	32,0	16,0	50
ADM32PG21X	PG-36	M32X1,5	32,0	8,0	43,0	19,0	25
ADM40PG29X	PG-42	M40X1,5	40,0	8,0	45,0	19,0	25
ADM50PG36X	PG-21	M50X1,5	50,0	10,0	55,0	23,0	10
ADM50PG42X	PG-29	M50X1,6	50,0	10,0	60,0	23,0	5
ADM63PG42X	PG-36	M63X1,5	63,0	10,0	65,0	23,0	5



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C

COLOR : SELF - COLOURED

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL

APPLICATIONS

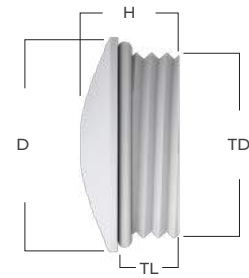
WHERE TO NEED END ENTRIES

Metric Thread

CODE	SIZE	TD (MM)	TL (MM)	D (MM)	H (MM)	
TMK-01	M12X1,5	12,0	5,0	14,0	7,5	100
TMK-02	M16X1,5	16,0	5,0	18,0	8,0	100
TMK-03	M20X1,5	20,0	6,5	22,0	9,5	100
TMK-04	M25X1,5	25,0	7,0	28,0	11,0	100
TMK-05	M32X1,5	32,0	8,0	35,0	12,0	50
TMK-06	M40X1,5	40,0	8,5	44,0	13,0	50
TMK-07	M50X1,5	50,0	9,0	54,0	15,0	25
TMK-08	M63X1,5	63,0	10,0	67,0	16,0	10

PG Thread

CODE	SIZE	TD (MM)	TL (MM)	D (MM)	H (MM)	
TPK-01	PG-7	12,5	5,0	14,0	8,0	100
TPK-02	PG-9	15,2	6,0	17,0	9,0	100
TPK-03	PG-11	18,6	6,0	20,0	9,0	100
TPK-04	PG-13,5	20,4	6,5	22,0	9,5	100
TPK-05	PG-16	22,5	6,5	24,0	9,5	100
TPK-06	PG-21	28,3	7,0	30,0	11,0	50
TPK-07	PG-29	37,0	8,0	39,0	12,0	25
TPK-08	PG-36	47,0	9,0	50,0	15,0	10
TPK-09	PG-42	54,0	10,0	57,0	16,0	10
TPK-10	PG-48	59,3	10,0	64,0	16,0	10



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL BLIND STOP, AISI 303 / AISI 314L IS OPTIONAL

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C

COLOR : SELF - COLOURED

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL

APPLICATIONS

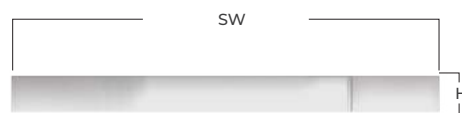
WHERE TO NEED END ENTRIES

Metric Thread

CODE	SIZE	TD (MM)	TL (MM)	D (MM)	H (MM)	
TMKS-01	M12X1,5	12,0	5,0	14,0	7,5	100
TMKS-02	M16X1,5	16,0	5,0	18,0	8,0	100
TMKS-03	M20X1,5	20,0	6,5	22,0	9,5	100
TMKS-04	M25X1,5	25,0	7,0	28,0	11,0	100
TMKS-05	M32X1,5	32,0	8,0	35,0	12,0	50
TMKS-06	M40X1,5	40,0	8,5	44,0	13,0	50
TMKS-07	M50X1,5	50,0	9,0	54,0	15,0	25
TMKS-08	M63X1,5	63,0	10,0	67,0	16,0	10

PG Thread

CODE	SIZE	TD (MM)	TL (MM)	D (MM)	H (MM)	
TPKS-01	PG-7	12,5	5,0	14,0	8,0	100
TPKS-02	PG-9	15,2	6,0	17,0	9,0	100
TPKS-03	PG-11	18,6	6,0	20,0	9,0	100
TPKS-04	PG-13,5	20,4	6,5	22,0	9,5	100
TPKS-05	PG-16	22,5	6,5	24,0	9,5	100
TPKS-06	PG-21	28,3	7,0	30,0	11,0	50
TPKS-07	PG-29	37,0	8,0	39,0	12,0	25
TPKS-08	PG-36	47,0	9,0	50,0	15,0	10
TPKS-09	PG-42	54,0	10,0	57,0	16,0	10
TPKS-10	PG-48	59,3	10,0	64,0	16,0	10



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430, NPT ANSI B1.20.1

OPERATING TEMPERATURE : -30°C /+100°C

COLOR : SELF - COLOURED

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL

		Metric Thread		
CODE	SIZE	SW (MM)	H (MM)	
TML-01	M12X1,5	15,0	2,8	50
TML-02	M16X1,5	19,0	3,0	50
TML-03	M20X1,5	24,0	3,5	50
TML-04	M25X1,5	30,0	4,0	25
TML-05	M32X1,5	36,0	5,0	25
TML-06	M40X1,5	46,0	5,0	20
TML-07	M50X1,5	60,0	5,0	15
TML-08	M63X1,5	70,0	6,0	12
TML-09	M72X1,5	77,0	7,0	4
TML-10	M75X1,5	80,0	7,0	4
TML-11	M80X1,5	90,0	8,0	2
TML-12	M90X1,5	100,0	8,0	2

		PG Thread		
CODE	SIZE	SW (MM)	H (MM)	
TSL-01	PG-7	15,0	2,8	50
TSL-02	PG-9	18,0	2,8	50
TSL-03	PG-11	21,0	3,0	50
TSL-04	PG-13,5	23,0	3,0	50
TSL-05	PG-16	26,0	3,0	25
TSL-06	PG-21	32,0	3,5	25
TSL-07	PG-29	41,0	4,0	20
TSL-08	PG-36	51,0	5,0	15
TSL-09	PG-42	60,0	5,0	12
TSL-10	PG-48	64,0	5,5	12

		Npt Thread		
CODE	SIZE	SW (MM)	H (MM)	
TNL-02	3/8"	24,0	5,0	50
TNL-03	1/2"	24,0	5,0	50
TNL-04	3/4"	34,0	6,0	25
TNL-05	1"	42,0	6,0	25
TNL-06	1 1/4"	52,0	7,0	20
TNL-07	1 1/2"	60,0	7,0	15
TNL-08	2"	74,0	8,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316L IS OPTIONAL)

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430, NPT ANSI B1.20.1

OPERATING TEMPERATURE : -30°C /+100°C

COLOR : SELF - COLOURED

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

		Metric Thread		
CODE	SIZE	SW (MM)	H (MM)	
TMLS-01	M12X1,5	15,0	2,8	50
TMLS-02	M16X1,5	19,0	3,0	50
TMLS-03	M20X1,5	24,0	3,5	50
TMLS-04	M25X1,5	30,0	4,0	25
TMLS-05	M32X1,5	36,0	5,0	25
TMLS-06	M40X1,5	46,0	5,0	20
TMLS-07	M50X1,5	60,0	5,0	15
TMLS-08	M63X1,5	70,0	6,0	12
TMLS-09	M72X1,5	77,0	7,0	4
TMLS-10	M75X1,5	80,0	7,0	4
TMLS-11	M80X1,5	90,0	8,0	2
TMLS-12	M90X1,5	100,0	8,0	2

		PG Thread		
CODE	SIZE	SW (MM)	H (MM)	
TSLS-01	PG-7	15,0	2,8	50
TSLS-02	PG-9	18,0	2,8	50
TSLS-03	PG-11	21,0	3,0	50
TSLS-04	PG-13,5	23,0	3,0	50
TSLS-05	PG-16	26,0	3,0	25
TSLS-06	PG-21	32,0	3,5	25
TSLS-07	PG-29	41,0	4,0	20
TSLS-08	PG-36	51,0	5,0	15
TSLS-09	PG-42	60,0	5,0	12
TSLS-10	PG-48	64,0	5,5	12

		Npt Thread		
CODE	SIZE	SW (MM)	H (MM)	
TNLS-02	3/8"	24,0	5,0	50
TNLS-03	1/2"	24,0	5,0	50
TNLS-04	3/4"	34,0	6,0	25
TNLS-05	1"	42,0	6,0	25
TNLS-06	1 1/4"	52,0	7,0	20
TNLS-07	1 1/2"	60,0	7,0	15
TNLS-08	2"	74,0	8,0	12



TECHNICAL INFORMATION

MATERIAL : NICKEL PLATED BRASS

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430, NPT ANSI B1.20.1

OPERATING TEMPERATURE : -30°C /+100°C

COLOR : SELF - COLOURED

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

		Metric Thread		
CODE	SIZE	SW (MM)	H (MM)	
TMLC-01	M12X1,5	15,0	2,8	50
TMLC-02	M16X1,5	19,0	3,0	50
TMLC-03	M20X1,5	24,0	3,5	50
TMLC-04	M25X1,5	30,0	4,0	25
TMLC-05	M32X1,5	36,0	5,0	25
TMLC-06	M40X1,5	46,0	5,0	20
TMLC-07	M50X1,5	60,0	5,0	15
TMLC-08	M63X1,5	70,0	6,0	12
TMLC-09	M72X1,5	77,0	7,0	4
TMLC-10	M75X1,5	80,0	7,0	4
TMLC-11	M80X1,5	90,0	8,0	2
TMLC-12	M90X1,5	100,0	8,0	2

		PG Thread		
CODE	SIZE	SW (MM)	H (MM)	
TSLC-01	PG-7	15,0	2,8	50
TSLC-02	PG-9	18,0	2,8	50
TSLC-03	PG-11	21,0	3,0	50
TSLC-04	PG-13,5	23,0	3,0	50
TSLC-05	PG-16	26,0	3,0	25
TSLC-06	PG-21	32,0	3,5	25
TSLC-07	PG-29	41,0	4,0	20
TSLC-08	PG-36	51,0	5,0	15
TSLC-09	PG-42	60,0	5,0	12
TSLC-10	PG-48	64,0	5,5	12

		Npt Thread		
CODE	SIZE	SW (MM)	H (MM)	
TNLC-02	3/8"	24,0	5,0	50
TNLC-03	1/2"	24,0	5,0	50
TNLC-04	3/4"	34,0	6,0	25
TNLC-05	1"	42,0	6,0	25
TNLC-06	1 1/4"	52,0	7,0	20
TNLC-07	1 1/2"	60,0	7,0	15
TNLC-08	2"	74,0	8,0	12



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL AISI 303 (AISI 316I IS OPTIONAL)

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430, NPT ANSI B1.20.1

OPERATING TEMPERATURE : -30°C /+100°C

COLOR : SELF - COLOURED

CERTIFICATE : CE, ROHS

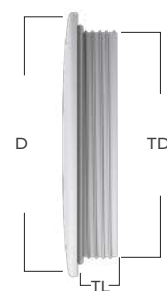
FEATURES

HIGH MECHANICAL STRENGTH | EASY INSTALLATION | BEST GRADE MATERIAL | ACID RESISTANT

		Metric Thread		
CODE	SIZE	SW (MM)	H (MM)	
TMLCS-01	M12X1,5	15,0	2,8	50
TMLCS-02	M16X1,5	19,0	3,0	50
TMLCS-03	M20X1,5	24,0	3,5	50
TMLCS-04	M25X1,5	30,0	4,0	25
TMLCS-05	M32X1,5	36,0	5,0	25
TMLCS-06	M40X1,5	46,0	5,0	20
TMLCS-07	M50X1,5	60,0	5,0	15
TMLCS-08	M63X1,5	70,0	6,0	12
TMLCS-09	M72X1,5	77,0	7,0	4
TMLCS-10	M75X1,5	80,0	7,0	4
TMLCS-11	M80X1,5	90,0	8,0	2
TMLCS-12	M90X1,5	100,0	8,0	2

		PG Thread		
CODE	SIZE	SW (MM)	H (MM)	
TSLCS-01	PG-7	15,0	2,8	50
TSLCS-02	PG-9	18,0	2,8	50
TSLCS-03	PG-11	21,0	3,0	50
TSLCS-04	PG-13,5	23,0	3,0	50
TSLCS-05	PG-16	26,0	3,0	25
TSLCS-06	PG-21	32,0	3,5	25
TSLCS-07	PG-29	41,0	4,0	20
TSLCS-08	PG-36	51,0	5,0	15
TSLCS-09	PG-42	60,0	5,0	12
TSLCS-10	PG-48	64,0	5,5	12

		Npt Thread		
CODE	SIZE	SW (MM)	H (MM)	
TNLCS-02	3/8"	24,0	5,0	50
TNLCS-03	1/2"	24,0	5,0	50
TNLCS-04	3/4"	34,0	6,0	25
TNLCS-05	1"	42,0	6,0	25
TNLCS-06	1 1/4"	52,0	7,0	20
TNLCS-07	1 1/2"	60,0	7,0	15
TNLCS-08	2"	74,0	8,0	12



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C / +100°C

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | EASY INSTALLATION | BEST GRADE MATERIAL

APPLICATIONS

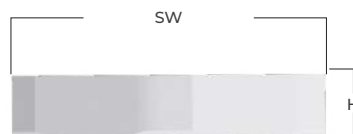
WHERE TO NEED END ENTRIES

Metric Thread

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	D (MM)	TL (MM)	H (MM)	
DK/M-01-G	DK/M-01-S	DK/M-01-AG	M16X1,5	19,5	6,5	9,5	200
DK/M-02-G	DK/M-02-S	DK/M-02-AG	M20X1,5	25,0	6,0	9,0	150
DK/M-03-G	DK/M-03-S	DK/M-03-AG	M25X1,5	30,0	10,0	14,0	75
DK/M-04-G	DK/M-04-S	DK/M-04-AG	M32X1,5	37,0	10,0	14,0	40
DK/M-05-G	DK/M-05-S	DK/M-05-AG	M40X1,5	46,0	10,0	14,5	20

PG Thread

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	D (MM)	TL (MM)	H (MM)	
DK/PG-01-G	DK/PG-01-S	DK/PG-01-AG	PG-7	15,0	6,0	9,0	400
DK/PG-02-G	DK/PG-02-S	DK/PG-02-AG	PG-9	19,5	6,0	9,0	300
DK/PG-03-G	DK/PG-03-S	DK/PG-03-AG	PG-11	22,0	6,0	9,0	200
DK/PG-04-G	DK/PG-04-S	DK/PG-04-AG	PG-13,5	25,0	6,0	9,0	150
DK/PG-05-G	DK/PG-05-S	DK/PG-05-AG	PG-16	27,0	6,0	9,5	120
DK/PG-06-G	DK/PG-06-S	DK/PG-06-AG	PG-21	33,0	8,0	12,0	75
DK/PG-07-G	DK/PG-07-S	DK/PG-07-AG	PG-29	44,0	8,0	11,5	40
DK/PG-08-G	DK/PG-08-S	DK/PG-08-AG	PG-36	55,0	10,0	14,0	20



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6 GF30

STANDARD : EN 62444

THREAD TYPE : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP 68 / 5 BAR

OPERATING TEMPERATURE : -30°C /+100°C

COLOR : GREY (RAL 7001), BLACK (RAL 9005), LIGHT GREY (RAL 7035)

O-RING : NBR

CERTIFICATE : CE, ROHS

FEATURES

HIGH MECHANICAL STRENGTH | HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE | UL 94 V2 FLAME RETARDANCY | EASY INSTALLATION | BEST GRADE MATERIAL

APPLICATIONS

WHERE TO CONNECT GLANDS

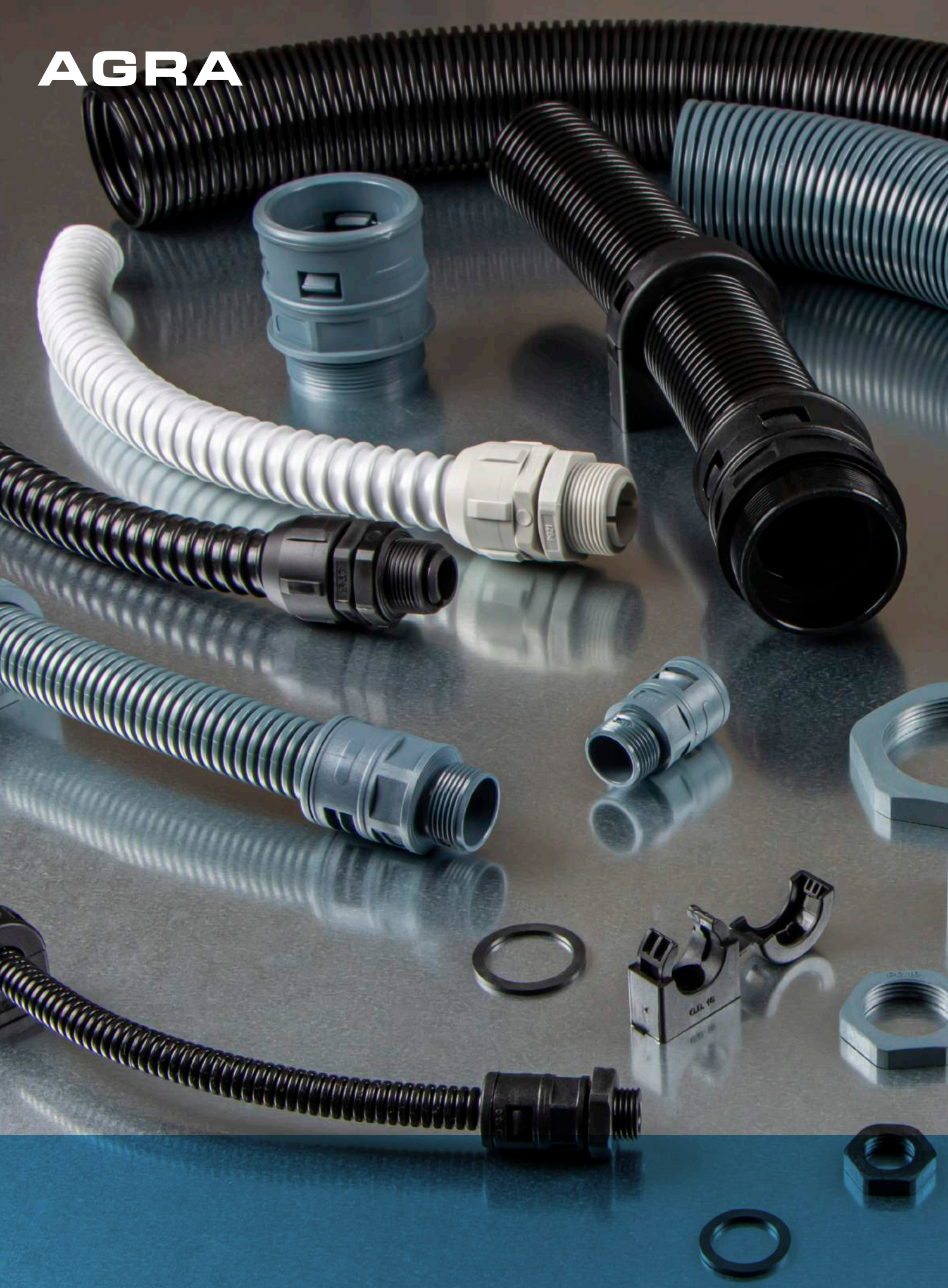
Metric Thread

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	SW BODY (MM)	H (MM)	
S/M12-G	S/M12-S	S/M12-AG	M12X1,5	18,0	5,0	400
S/M16-G	S/M16-S	S/M16-AG	M16X1,5	22,0	5,0	200
S/M20-G	S/M20-S	S/M20-AG	M20X1,5	26,0	6,0	150
S/M25-G	S/M25-S	S/M25-AG	M25X1,5	32,0	6,0	75
S/M32-G	S/M32-S	S/M32-AG	M32X1,5	41,0	7,0	40
S/M40-G	S/M40-S	S/M40-AG	M40X1,5	50,0	7,0	20
S/M50-G	S/M50-S	S/M50-AG	M50X1,5	60,0	8,0	12
S/M63-G	S/M63-S	S/M63-AG	M63X1,5	75,0	8,0	8

PG Thread

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	SW BODY (MM)	H (MM)	
S/PG-01-G	S/PG-01-S	S/PG-01-AG	PG-7	19,0	5,0	400
S/PG-02-G	S/PG-02-S	S/PG-02-AG	PG-9	22,0	5,0	300
S/PG-03-G	S/PG-03-S	S/PG-03-AG	PG-11	24,0	5,0	200
S/PG-04-G	S/PG-04-S	S/PG-04-AG	PG-13,5	27,0	6,0	150
S/PG-05-G	S/PG-05-S	S/PG-05-AG	PG-16	30,0	6,0	120
S/PG-06-G	S/PG-06-S	S/PG-06-AG	PG-21	36,0	7,0	75
S/PG-07-G	S/PG-07-S	S/PG-07-AG	PG-29	46,0	7,0	40
S/PG-08-G	S/PG-08-S	S/PG-08-AG	PG-36	60,0	8,0	20
S/PG-09-G	S/PG-09-S	S/PG-09-AG	PG-42	65,0	8,0	12
S/PG-10-G	S/PG-10-S	S/PG-10-AG	PG-48	70,0	8,0	8

AGRA





CORRUGATED PLASTIC

CONDUITS & FITTINGS

Corrugated Plastic Conduits For Industrial Installations

Product Group	Product Group Code	Product Type	Material	Colour	Compression Strength (kg/100 mm)	Pull-Off Strength (kg)	Min. Bend Radius (mm)	Temp Max. C° (Static)	Temp Min. C° (Static)
Polyamide Corrugated Plastic Conduits	TPA	PA6 Corrugated Plastic Conduits	Polyamide 6	Black/Grey	45	25	40	120	-40
	TPA-Y	PA6 Slitted Corrugated Plastic Conduits	Polyamide 6	Black/Grey	N/A	N/A	120	120	-40
	TPAH	PA6 Corrugated Plastic Conduits - Heavy	Polyamide 6	Black/Grey	60	25	40	120	-40
	TPAH-Y	PA6 Slitted Corrugated Plastic Conduits - Heavy	Polyamide 6	Black/Grey	N/A	N/A	120	120	-40
	TPA12	PA12 Corrugated Plastic Conduits	Polyamide 12	Black	60	30	40	110	-50
	TPA12-Y	PA12 Slitted Corrugated Plastic Conduits	Polyamide 12	Black	N/A	N/A	40	110	-50
Polyamide Corrugated Plastic Conduits for Railways	TPAFR	PA6 Corrugated Plastic Conduits - Railways	Special Compound	Black	45	25	45	120	-40
	TPA12FR	PA12 Corrugated Plastic Conduits - Railways	Special Compound	Black	60	30	45	120	-40
Polyamide Corrugated Plastic Conduits with Steel Over Braidings	TPAC	PA6 Corrugated Plastic Conduits w/Galv Steel O. Braiding	Polyamide 6	Metallic	60	30	40	120	-40
	TPACSS	PA6 Corrugated Plastic Conduits w/Stainless Steel O. Braiding	Polyamide 6	Metallic	60	30	40	120	-40
	TPA12CSS	PA12 Corrugated Plastic Conduits w/Stainless Steel O. Braiding	Polyamide 12	Metallic	60	30	40	120	-40
Polypropylene Corrugated Plastic Conduits	TPP	PP Corrugated Plastic Conduits	Polypropylene	Black/Grey/White	35	25	40	95	-30
	TPPY	PP Slitted Corrugated Plastic Conduits	Polypropylene	Black/Grey/White	N/A	N/A	40	95	-30
	TPPV0	PP Corrugated Plastic Conduits Self Extinguishing	Polypropylene	Black/Grey/White	35	25	40	95	-30
	TPPMOD	Modified PP Corrugated Plastic Conduits	Special Compound	Black/Grey/White	35	25	40	125	-30
	TPPMOD-Y	Modified PP Slitted Corrugated Plastic Conduits	Special Compound	Black/Grey/White	N/A	N/A	40	125	-30
PVC Reinforced Corrugated Plastic Conduits	TF	PVC Reinforced Corrugated Plastic Conduits	PVC	Black/Grey/White	35	25	40	70	-20
	TFL	PVC Reinforced Corrugated Plastic Conduits - Light	PVC	Black/Grey/White	35	25	40	70	-20

 * Blue : Ral5505

IP Rating	Rohs	Reach	Gost	UV Resistance	Low Fire Hazard	Halofen Free	Self Extinguishing	Fire Tests- EN45545-2	Resistance to Solvents	Abrasion Resistance
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										
IP68										



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 61386-1

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 600 N

PULL-OFF (TENSILE) STRENGTH : 300 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | EASY INSTALLATION | UV
 RESISTANT (BLACK COLOUR) | SELF-EXTINGUISHING

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
 AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
 ROBOT APPLICATIONS | SHIP INDUSTRY |
 ELECTRICAL CABINETS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPAH-10-B	TPAH-10-G	6,7	10,0	6,5	10,0	15,0	100
TPAH-11-B	TPAH-11-G	8,7	11,7	8,5	11,0	15,0	100
TPAH-13-B	TPAH-13-G	10,0	13,2	10,0	13,0	20,0	100
TPAH-16-B	TPAH-16-G	12,6	15,8	12,0	16,0	30,0	100
TPAH-18-B	TPAH-18-G	14,2	18,5	14,0	18,0	40,0	50
TPAH-21-B	TPAH-21-G	16,8	21,4	17,0	21,0	45,0	50
TPAH-25-B	TPAH-25-G	19,5	24,0	19,0	25,0	50,0	50
TPAH-26-B	TPAH-26-G	22,0	25,4	22,0	27,0	50,0	50
TPAH-28-B	TPAH-28-G	23,5	28,7	23,0	28,0	55,0	50
TPAH-32-B	TPAH-32-G	26,1	31,3	26,0	32,0	60,0	25
TPAH-34-B	TPAH-34-G	28,9	34,5	29,0	34,0	65,0	25
TPAH-42-B	TPAH-42-G	36,3	42,5	36,0	42,0	80,0	25
TPAH-54-B	TPAH-54-G	47,6	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 61386-1

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : N/A

PULL-OFF (TENSILE) STRENGTH : N/A

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
AND ACID RESISTANT | UL 94 V2 FLAME RETARDANCY | HIGH
MECHANICAL STRENGTH | EASY INSTALLATION | UV
RESISTANT (BLACK COLOUR) | SELF-EXTINGUISHING

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY |
ELECTRICAL CABINETS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPAH-10-BY	TPAH-10-GY	6,7	10,0	6,5	10,0	15,0	100
TPAH-11-BY	TPAH-11-GY	8,7	11,7	8,5	11,0	15,0	100
TPAH-13-BY	TPAH-13-GY	10,0	13,2	10,0	13,0	20,0	100
TPAH-16-BY	TPAH-16-GY	12,6	15,8	12,0	16,0	30,0	100
TPAH-18-BY	TPAH-18-GY	14,2	18,5	14,0	18,0	40,0	50
TPAH-21-BY	TPAH-21-GY	16,8	21,4	17,0	21,0	45,0	50
TPAH-25-BY	TPAH-25-GY	19,5	24,0	19,0	25,0	50,0	50
TPAH-26-BY	TPAH-26-GY	22,0	25,4	22,0	27,0	50,0	50
TPAH-28-BY	TPAH-28-GY	23,5	28,7	23,0	28,0	55,0	50
TPAH-32-BY	TPAH-32-GY	26,1	31,3	26,0	32,0	60,0	25
TPAH-34-BY	TPAH-34-GY	28,9	34,5	29,0	34,0	65,0	25
TPAH-42-BY	TPAH-42-GY	36,3	42,5	36,0	42,0	80,0	25
TPAH-54-BY	TPAH-54-GY	47,6	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 61386-1

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 450 N

PULL-OFF (TENSILE) STRENGTH : 250 N

CERTIFICATE : CE, ROHS

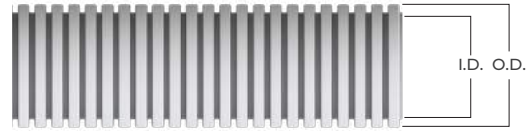
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | UL 94 V2 FLAME RETARDAN-
CY | HIGH MECHANICAL STRENGTH | EASY INSTALLATION |
UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY |
ELECTRICAL CABINETS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPA-7-S	TPA-7-G	6,7	10,0	6,5	10,0	15,0	100
TPA-8,5-S	TPA-8,5-G	8,7	11,7	8,5	11,0	15,0	100
TPA-10-S	TPA-10-G	10,0	13,2	10,0	13,0	20,0	100
TPA-12-S	TPA-12-G	12,6	15,8	12,0	16,0	30,0	100
TPA-14-S	TPA-14-G	14,2	18,5	14,0	18,0	40,0	50
TPA-17-S	TPA-17-G	16,8	21,4	17,0	21,0	45,0	50
TPA-19-S	TPA-19-G	19,5	24,0	19,0	25,0	50,0	50
TPA-22-S	TPA-22-G	22,0	25,4	22,0	27,0	50,0	50
TPA-23-S	TPA-23-G	23,5	28,7	23,0	28,0	55,0	50
TPA-26-S	TPA-26-G	26,1	31,3	26,0	32,0	60,0	25
TPA-29-S	TPA-29-G	28,9	34,5	29,0	34,0	65,0	25
TPA-36-S	TPA-36-G	36,3	42,5	36,0	42,0	80,0	25
TPA-48-S	TPA-48-G	47,6	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6
STANDARD : EN 61386-1
PROTECTION CLASS : IP66 / IP67 / IP68
OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94 V2
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : N/A
PULL-OFF (TENSILE) STRENGTH : N/A
CERTIFICATE : CE, ROHS

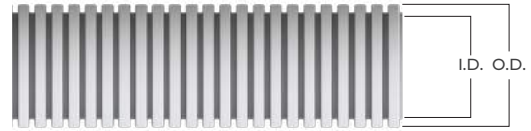
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE,
 SOLVENT AND ACID RESISTANT | UL 94 V2 FLAME RETARDAN-
 CY | HIGH MECHANICAL STRENGTH | EASY INSTALLATION |
 UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
 AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
 ROBOT APPLICATIONS | SHIP INDUSTRY |
 ELECTRICAL CABINETS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPA-7-SY	TPA-7-GY	6,7	10,0	6,5	10,0	15,0	100
TPA-8,5-SY	TPA-8,5-GY	8,7	11,7	8,5	11,0	15,0	100
TPA-10-SY	TPA-10-GY	10,0	13,2	10,0	13,0	20,0	100
TPA-12-SY	TPA-12-GY	12,6	15,8	12,0	16,0	30,0	100
TPA-14-SY	TPA-14-GY	14,2	18,5	14,0	18,0	40,0	50
TPA-17-SY	TPA-17-GY	16,8	21,4	17,0	21,0	45,0	50
TPA-19-SY	TPA-19-GY	19,5	24,0	19,0	25,0	50,0	50
TPA-22-SY	TPA-22-GY	22,0	25,4	22,0	27,0	50,0	50
TPA-23-SY	TPA-23-GY	23,5	28,7	23,0	28,0	55,0	50
TPA-26-SY	TPA-26-GY	26,1	31,3	26,0	32,0	60,0	25
TPA-29-SY	TPA-29-GY	28,9	34,5	29,0	34,0	65,0	25
TPA-36-SY	TPA-36-GY	36,3	42,5	36,0	42,0	80,0	25
TPA-48-SY	TPA-48-GY	47,6	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6
STANDARD : EN 61386
PROTECTION CLASS : IP66 / IP67 / IP68
OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94 V0
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : 450 N
PULL-OFF (TENSILE) STRENGTH : 250 N
CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | UL 94 V0 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | EASY INSTALLATION | UV
 RESISTANT (BLACK COLOUR) | SELF-EXTINGUISHING

APPLICATIONS

RAILWAY | UNDERGROUND | AUTOMOTIVE |
 AUTOMATION SYSTEMS | ROBOT APPLICATIONS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPAFR-7-S	TPAFR-7-G	6,6	10,0	7,0	10,0	15,0	100
TPAFR-8,5-S	TPAFR-8,5-G	8,5	11,7	8,0	11,0	15,0	100
TPAFR-10-S	TPAFR-10-G	9,8	13,2	10,0	13,0	20,0	100
TPAFR-12-S	TPAFR-12-G	12,4	15,8	12,0	16,0	30,0	100
TPAFR-14-S	TPAFR-14-G	14,3	18,5	14,0	18,0	40,0	50
TPAFR-17-S	TPAFR-17-G	16,6	21,4	17,0	21,0	45,0	50
TPAFR-19-S	TPAFR-19-G	19,3	24,0	19,0	25,0	50,0	50
TPAFR-22-S	TPAFR-22-G	21,8	25,4	22,0	27,0	50,0	50
TPAFR-23-S	TPAFR-23-G	23,3	28,7	23,0	28,0	55,0	50
TPAFR-26-S	TPAFR-26-G	25,9	31,3	26,0	32,0	60,0	25
TPAFR-29-S	TPAFR-29-G	28,8	34,5	29,0	34,0	65,0	25
TPAFR-36-S	TPAFR-36-G	36,1	42,5	36,0	42,0	80,0	25
TPAFR-48-S	TPAFR-48-G	47,4	54,4	48,0	54,0	90,0	25

Polyamide PA6 UV Resistant Corrugated Plastic Conduit



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 61386-1

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 450 N

PULL-OFF (TENSILE) STRENGTH : 250 N

CERTIFICATE : CE, ROHS, UV TEST CERTIFIED

FEATURES

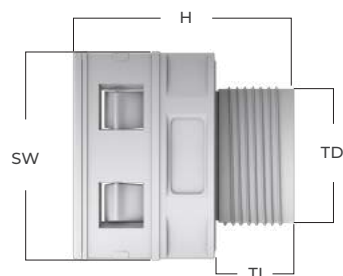
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | UL 94 V2 FLAME RETARDAN-
CY | HIGH MECHANICAL STRENGTH | EASY INSTALLATION |
UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY |
ELECTRICAL CABINETS | SOLAR APPLICATIONS

BLACK CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPAUV-7S	6,7	10,0	6,5	10,0	15,0	100
TPAUV-8,5S	8,7	11,7	8,5	11,0	15,0	100
TPAUV-10S	10,0	13,2	10,0	13,0	20,0	100
TPAUV-12S	12,6	15,8	12,0	16,0	30,0	100
TPAUV-14S	14,2	18,5	14,0	18,0	40,0	50
TPAUV-17S	16,8	21,4	17,0	21,0	45,0	50
TPAUV-19S	19,5	24,0	19,0	25,0	50,0	50
TPAUV-22S	22,0	25,4	22,0	27,0	50,0	50
TPAUV-23S	23,5	28,7	23,0	28,0	55,0	50
TPAUV-26S	26,1	31,3	26,0	32,0	60,0	25
TPAUV-29S	28,9	34,5	29,0	34,0	65,0	25
TPAUV-36S	36,3	42,5	36,0	42,0	80,0	25
TPAUV-48S	47,6	54,4	48,0	54,0	90,0	25





TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

THREAD STANDARD : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP66

OPERATING TEMPERATURE : -40C / +120C

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

CERTIFICATE : CE, ROHS

WASHER : TPE

FEATURES

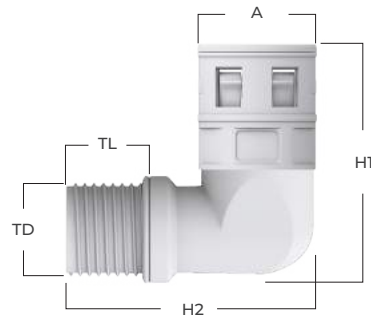
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | SELF-EXTINGUISHING |
PUSH-IN ADAPTATION | EASY INSTALLATION | UV RESISTANT
(BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGR-P07-S	TGR-P07-G	PG-7	10,0	12,5	11,5	16,0	24,5	7,5	17,5	200
TGR-P09-S	TGR-P09-G	PG-9	13,0	15,2	11,5	18,0	25,5	10,0	20,0	100
TGR-P11-S	TGR-P11-G	PG-11	16,0	18,6	11,5	21,0	28,5	12,0	23,0	100
TGR-P13-S	TGR-P13-G	PG-13,5	18,0	20,4	13,0	24,0	29	14,0	27,0	50
TGR-P16-S	TGR-P16-G	PG-16	21,0	22,5	13,0	27,0	32	18,3	30,0	50
TGR-P21-S	TGR-P21-G	PG-21	28,0	28,3	13,5	34,0	33,5	20,6	37,8	50
TGR-P29-S	TGR-P29-G	PG-29	34,0	37,0	15,0	40,0	36	26,0	44,5	25
TGR-P36-S	TGR-P36-G	PG-36	42,0	47,0	16,5	50,0	45,5	40,5	55,5	20
TGR-P48-S	TGR-P48-G	PG-48	54,0	59,3	16,5	62,0	47,5	51,0	68,0	12

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGR-M12-S	TGR-M12-G	M12X1,5	10,0	12,0	11,5	16,0	24,5	7,5	17,5	200
TGR-M16-S	TGR-M16-G	M16X1,5	13,0	16,0	11,5	18,0	25,5	10,0	20,0	100
TGR-M16-1-S	TGR-M16-1-G	M16X1,5	16,0	16,0	11,5	21,0	28,5	12,0	23,0	100
TGR-M20-S	TGR-M20-G	M20X1,5	18,0	20,0	13,0	24,0	29	14,0	27,0	50
TGR-M20-1-S	TGR-M20-1-G	M20X1,5	21,0	20,0	13,0	27,0	32	14,0	30,0	50
TGR-M2-S	TGR-M2-G	M25X1,5	28,0	25,0	13,5	34,0	33,5	20,5	37,8	50
TGR-M32-S	TGR-M32-G	M32X1,5	34,0	32,0	15,0	40,0	36	26,8	44,5	25
TGR-M40-S	TGR-M40-G	M40X1,5	42,0	40,0	16,5	50,0	45,5	33,0	55,5	20
TGR-M50-S	TGR-M50-G	M50X1,5	54,0	50,0	16,5	62,0	47,5	43,5	68,0	12
TGR-M63-S	TGR-M63-G	M63X1,5	54,0	63,0	16,5	62,0	47,5	55,0	68,0	20



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6
STANDARD : EN 61386
THREAD STANDARD : METRIC EN 60423 , PG DIN 40430
PROTECTION CLASS : IP66
OPERATING TEMPERATURE : -40C / +120C
FLAMMABILITY CLASS : UL94 V2
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
CERTIFICATE : CE, ROHS
WASHER : TPE

FEATURES

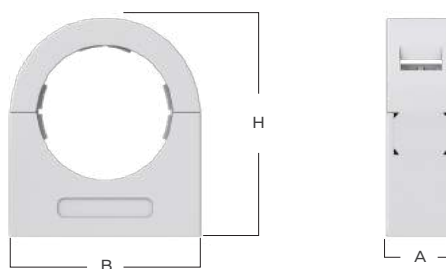
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE,
 SOLVENT AND ACID RESISTANT | SELF-EXTINGUISHING |
 PUSH-IN ADAPTATION | EASY INSTALLATION | UV RESISTANT
 (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
 AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
 ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H1 (MM)	H2 (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGDR-P07-S	TGDR-P07-G	PG-7	10,0	12,5	11,5	16,0	57,0	39,0	7,5	17,5	50
TGDR-P09-S	TGDR-P09-G	PG-9	13,0	15,2	11,5	18,0	58,5	40,5	10,0	20,0	50
TGDR-P11-S	TGDR-P11-G	PG-11	16,0	18,6	11,5	21,0	61,0	45,0	12,0	23,0	50
TGDR-P13-S	TGDR-P13-G	PG-13,5	18,0	20,4	13,0	24,0	65,0	47,0	14,0	27,0	25
TGDR-P16-S	TGDR-P16-G	PG-16	21,0	22,5	13,0	27,0	72,0	48,0	18,3	30,0	25
TGDR-P21-S	TGDR-P21-G	PG-21	28,0	28,3	13,5	34,0	91,0	64,0	20,6	37,8	25
TGDR-P29-S	TGDR-P29-G	PG-29	34,0	37,0	15,0	40,0	99,5	73,5	26,0	44,5	10
TGDR-P36-S	TGDR-P36-G	PG-36	42,0	47,0	16,5	50,0	110,0	83,0	40,5	55,5	10
TGDR-P48-S	TGDR-P48-G	PG-48	54,0	59,3	16,5	62,0	123,0	97,0	51,0	68,0	5

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H1 (MM)	H2 (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGDR-M12-S	TGDR-M12-G	M12X1,5	10,0	12,0	11,5	16,0	57,0	39,0	7,5	17,5	50
TGDR-M16-S	TGDR-M16-G	M16X1,5	13,0	16,0	11,5	18,0	58,5	40,5	10,0	20,0	50
TGDR-M16-1-S	TGDR-M16-1-G	M16X1,5	16,0	16,0	11,5	21,0	61,0	45,0	12,0	23,0	50
TGDR-M20-S	TGDR-M20-G	M20X1,5	18,0	20,0	13,0	24,0	65,0	47,0	14,0	27,0	25
TGDR-M20-1-S	TGDR-M20-1-G	M20X1,5	21,0	20,0	13,0	27,0	72,0	48,0	14,0	30,0	25
TGDR-M2-S	TGDR-M2-G	M25X1,5	28,0	25,0	13,5	34,0	91,0	64,0	20,5	37,8	25
TGDR-M32-S	TGDR-M32-G	M32X1,5	34,0	32,0	15,0	40,0	99,5	73,5	26,8	44,5	10
TGDR-M40-S	TGDR-M40-G	M40X1,5	42,0	40,0	16,5	50,0	110,0	83,0	33,0	55,5	10
TGDR-M50-S	TGDR-M50-G	M50X1,5	54,0	50,0	16,5	62,0	123,0	97,0	43,5	68,0	5
TGDR-M63-S	TGDR-M63-G	M63X1,5	54,0	63,0	16,5	62,0	123,0	97,0	55,0	68,0	5



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 6

STANDARD : EN 61386

OPERATING TEMPERATURE : -40C / +120C

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

CERTIFICATE : CE, ROHS

FEATURES

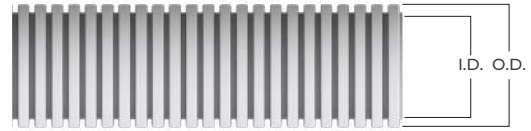
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | SELF-EXTINGUISHING |
PUSH-IN ADAPTATION | EASY INSTALLATION | UV RESISTANT
(BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	CONDUIT NOM. SIZE (MM)	A (MM)	B (MM)	H (MM)	QUANTITY (PCS/PACK)
TK-10S	TK-10G	10,0	12,6	23,0	26,8	100
TK-13S	TK-13G	13,0	12,3	23,0	26,9	100
TK-16S	TK-16G	16,0	12,3	26,7	30,2	100
TK-18S	TK-18G	18,0	15,0	32,1	37,0	50
TK-21S	TK-21G	21,0	15,0	32,0	36,7	50
TK-28S	TK-28G	28,0	15,0	41,0	45,0	50
TK-34S	TK-34G	34,0	15,0	48,0	51,6	25
TK-42S	TK-42G	42,0	15,0	58,8	60,5	25
TK-54S	TK-54G	54,0	15,0	71,5	72,5	25

Polyamide PA12 Corrugated Plastic Conduit



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 12
STANDARD : EN 61386
PROTECTION CLASS : IP66 / IP67 / IP68
OPERATING TEMPERATURE : -50C / +110C (DYNAMIC) , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94 V2 (UL94V0 IS OPTIONAL)
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : 600 N
PULL-OFF (TENSILE) STRENGTH : 350 N
CERTIFICATE : CE, ROHS

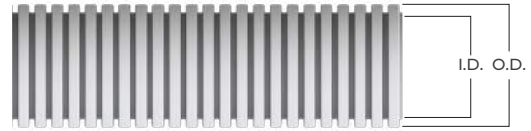
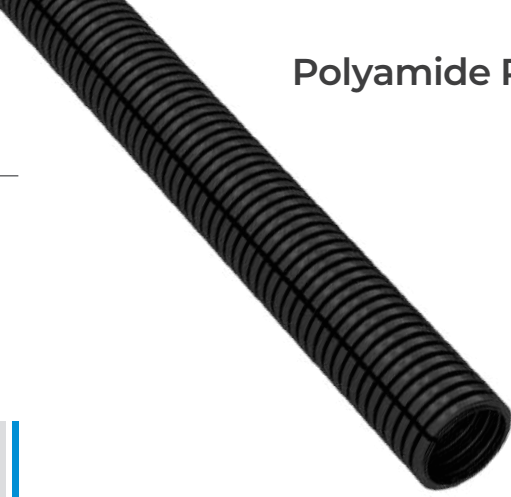
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | EASY INSTALLATION | UV
 RESISTANT (BLACK COLOUR) | SELF-EXTINGUISHING

APPLICATIONS

RAILWAY | UNDERGROUND | AUTOMOTIVE |
 AUTOMATION SYSTEMS | ROBOT APPLICATIONS |
 SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPA12-7-S	TPA12-7-G	6,6	10,0	7,0	10,0	15,0	100
TPA12-8,5-S	TPA12-8,5-G	8,5	11,7	8,0	11,0	15,0	100
TPA12-10-S	TPA12-10-G	9,8	13,2	10,0	13,0	20,0	100
TPA12-12-S	TPA12-12-G	12,4	15,8	12,0	16,0	30,0	100
TPA12-14-S	TPA12-14-G	14,3	18,5	14,0	18,0	40,0	50
TPA12-17-S	TPA12-17-G	16,6	21,4	17,0	21,0	45,0	50
TPA12-19-S	TPA12-19-G	19,3	24,0	19,0	25,0	50,0	50
TPA12-22-S	TPA12-22-G	21,8	25,4	22,0	27,0	50,0	50
TPA12-23-S	TPA12-23-G	23,3	28,7	23,0	28,0	55,0	50
TPA12-26-S	TPA12-26-G	25,9	31,3	26,0	32,0	60,0	25
TPA12-29-S	TPA12-29-G	28,8	34,5	29,0	34,0	65,0	25
TPA12-36-S	TPA12-36-G	36,1	42,5	36,0	42,0	80,0	25
TPA12-48-S	TPA12-48-G	47,4	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 12
STANDARD : EN 61386
PROTECTION CLASS : N/A
OPERATING TEMPERATURE : -40C / +120C (DYNAMIC) , -40C / +150C (SHORT TERM)
FLAMMABILITY CLASS : UL94 V2
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : N/A
PULL-OFF (TENSILE) STRENGTH : N/A
CERTIFICATE : CE, ROHS

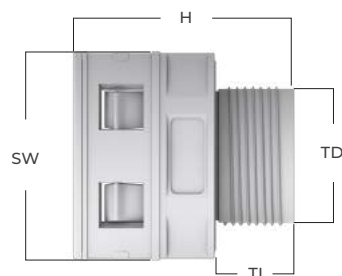
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | UL 94 V2 FLAME RETARDANCY | HIGH
 MECHANICAL STRENGTH | EASY INSTALLATION | UV
 RESISTANT (BLACK COLOUR) | SELF-EXTINGUISHING

APPLICATIONS

RAILWAY | UNDERGROUND | AUTOMOTIVE |
 AUTOMATION SYSTEMS | ROBOT APPLICATIONS |
 SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPA12-7-SY	TPA12-7-GY	6,6	10,0	7,0	10,0	15,0	100
TPA12-8,5-SY	TPA12-8,5-GY	8,5	11,7	8,0	11,0	15,0	100
TPA12-10-SY	TPA12-10-GY	9,8	13,2	10,0	13,0	20,0	100
TPA12-12-SY	TPA12-12-GY	12,4	15,8	12,0	16,0	30,0	100
TPA12-14-SY	TPA12-14-GY	14,3	18,5	14,0	18,0	40,0	50
TPA12-17-SY	TPA12-17-GY	16,6	21,4	17,0	21,0	45,0	50
TPA12-19-SY	TPA12-19-GY	19,3	24,0	19,0	25,0	50,0	50
TPA12-22-SY	TPA12-22-GY	21,8	25,4	22,0	27,0	50,0	50
TPA12-23-SY	TPA12-23-GY	23,3	28,7	23,0	28,0	55,0	50
TPA12-26-SY	TPA12-26-GY	25,9	31,3	26,0	32,0	60,0	25
TPA12-29-SY	TPA12-29-GY	28,8	34,5	29,0	34,0	65,0	25
TPA12-36-SY	TPA12-36-GY	36,1	42,5	36,0	42,0	80,0	25
TPA12-48-SY	TPA12-48-GY	47,4	54,4	48,0	54,0	90,0	25



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 12

THREAD STANDARD : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP66

OPERATING TEMPERATURE : -40C / +120C

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

CERTIFICATE : CE, ROHS

WASHER : TPE

FEATURES

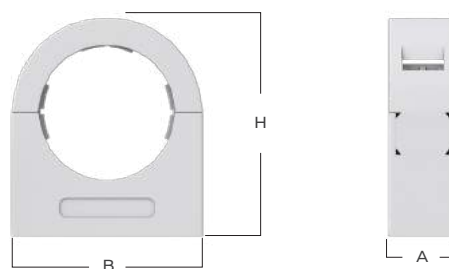
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | SELF-EXTINGUISHING |
PUSH-IN ADAPTATION | EASY INSTALLATION | UV RESISTANT
(BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGR12-P07-S	TGR12-P07-G	PG-7	10,0	12,5	11,5	16,0	24,5	7,5	17,5	200
TGR12-P09-S	TGR12-P09-G	PG-9	13,0	15,2	11,5	18,0	25,5	10,0	20,0	100
TGR12-P11-S	TGR12-P11-G	PG-11	16,0	18,6	11,5	21,0	28,5	12,0	23,0	100
TGR12-P13-S	TGR12-P13-G	PG-13,5	18,0	20,4	13,0	24,0	29	14,0	27,0	50
TGR12-P16-S	TGR12-P16-G	PG-16	21,0	22,5	13,0	27,0	32	18,3	30,0	50
TGR12-P21-S	TGR12-P21-G	PG-21	28,0	28,3	13,5	34,0	33,5	20,6	37,8	50
TGR12-P29-S	TGR12-P29-G	PG-29	34,0	37,0	15,0	40,0	36	26,0	44,5	25
TGR12-P36-S	TGR12-P36-G	PG-36	42,0	47,0	16,5	50,0	45,5	40,5	55,5	20
TGR12-P48-S	TGR12-P48-G	PG-48	54,0	59,3	16,5	62,0	47,5	51,0	68,0	12

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	A (MM)	B (MM)	QUANTITY (PCS/PACK)
TGR12-M12-S	TGR-M12-G	M12X1,5	10,0	12,0	11,5	16,0	24,5	7,5	17,5	200
TGR12-M16-S	TGR-M16-G	M16X1,5	13,0	16,0	11,5	18,0	25,5	10,0	20,0	100
TGR12-M16-1-S	TGR-M16-1-G	M16X1,5	16,0	16,0	11,5	21,0	28,5	12,0	23,0	100
TGR12-M20-S	TGR-M20-G	M20X1,5	18,0	20,0	13,0	24,0	29	14,0	27,0	50
TGR12-M20-1-S	TGR-M20-1-G	M20X1,5	21,0	20,0	13,0	27,0	32	14,0	30,0	50
TGR12-M2-S	TGR-M2-G	M25X1,5	28,0	25,0	13,5	34,0	33,5	20,5	37,8	50
TGR12-M32-S	TGR-M32-G	M32X1,5	34,0	32,0	15,0	40,0	36	26,8	44,5	25
TGR12-M40-S	TGR-M40-G	M40X1,5	42,0	40,0	16,5	50,0	45,5	33,0	55,5	20
TGR12-M50-S	TGR-M50-G	M50X1,5	54,0	50,0	16,5	62,0	47,5	43,5	68,0	12
TGR12-M63-S	TGR-M63-G	M63X1,5	54,0	63,0	16,5	62,0	47,5	55,0	68,0	20



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE 12

STANDARD : EN 61386

OPERATING TEMPERATURE : -40C / +120C

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | SELF-EXTINGUISHING |
PUSH-IN ADAPTATION | EASY INSTALLATION | UV RESISTANT
(BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	CONDUIT NOM. SIZE (MM)	A (MM)	B (MM)	H (MM)	QUANTITY (PCS/PACK)
TK12-10S	TK12-10G	10,0	12,6	23,0	26,8	100
TK12-13S	TK12-13G	13,0	12,3	23,0	26,9	100
TK12-16S	TK12-16G	16,0	12,3	26,7	30,2	100
TK12-18S	TK12-18G	18,0	15,0	32,1	37,0	50
TK12-21S	TK12-21G	21,0	15,0	32,0	36,7	50
TK12-28S	TK12-28G	28,0	15,0	41,0	45,0	50
TK12-34S	TK12-34G	34,0	15,0	48,0	51,6	25
TK12-42S	TK12-42G	42,0	15,0	58,8	60,5	25
TK12-54S	TK12-54G	54,0	15,0	71,5	72,5	25

Polypropylene PP Corrugated Plastic Conduit



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -30C / +95C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 350 N

PULL-OFF (TENSILE) STRENGTH : 250 N

CERTIFICATE : CE, ROHS

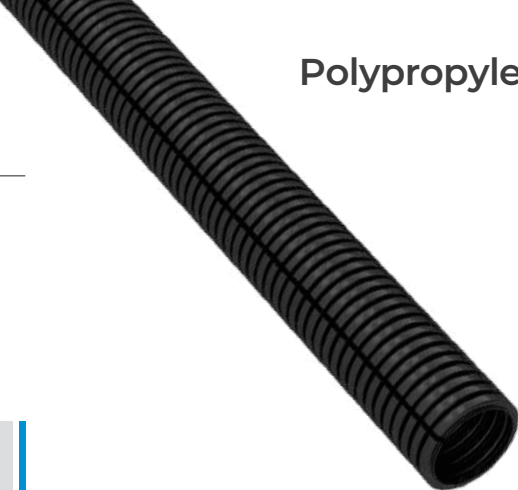
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
AND ACID RESISTANT | UL 94 HB FLAME RETARDANCY | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPP-7S	TPP-7G	6,6	10,0	7,0	10,0	15,0	100
TPP-8,5S	TPP-8,5G	8,5	11,7	8,0	11,0	15,0	100
TPP-10S	TPP-10G	9,8	13,2	10,0	13,0	25,0	100
TPP-12S	TPP-12G	12,4	15,8	12,0	16,0	35,0	100
TPP-14S	TPP-14G	14,3	18,5	14,0	18,0	40,0	50
TPP-15S	TPP-15G	14,8	20,0	15,0	20,0	40,0	50
TPP-17S	TPP-17G	16,6	21,4	17,0	21,0	40,0	50
TPP-19S	TPP-19G	19,3	24,0	19,0	25,0	50,0	50
TPP-22S	TPP-22G	21,8	25,4	22,0	27,0	50,0	50
TPP-23S	TPP-23G	23,3	28,7	23,0	28,0	55,0	50
TPP-26S	TPP-26G	25,9	31,3	26,0	32,0	60,0	25
TPP-29S	TPP-29G	28,8	34,5	29,0	34,0	65,0	25
TPP-36S	TPP-36G	36,1	42,5	36,0	42,0	80,0	25
TPP-48S	TPP-48G	47,4	54,4	48,0	54,0	100,0	25



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386

PROTECTION CLASS : N/A

OPERATING TEMPERATURE : -30C / +95C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : N/A

PULL-OFF (TENSILE) STRENGTH : N/A

CERTIFICATE : CE, ROHS

FEATURES

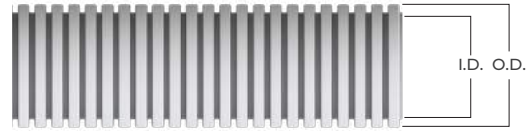
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
AND ACID RESISTANT | UL 94 HB FLAME RETARDANCY | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPP-7SY	TPP-7GY	6,6	10,0	7,0	10,0	15,0	100
TPP-8,5SY	TPP-8,5GY	8,5	11,7	8,0	11,0	15,0	100
TPP-10SY	TPP-10GY	9,8	13,2	10,0	13,0	25,0	100
TPP-12SY	TPP-12GY	12,4	15,8	12,0	16,0	35,0	100
TPP-14SY	TPP-14GY	14,3	18,5	14,0	18,0	40,0	50
TPP-15SY	TPP-15GY	14,8	20,0	15,0	20,0	40,0	50
TPP-17SY	TPP-17GY	16,6	21,4	17,0	21,0	40,0	50
TPP-19SY	TPP-19GY	19,3	24,0	19,0	25,0	50,0	50
TPP-22SY	TPP-22GY	21,8	25,4	22,0	27,0	50,0	50
TPP-23SY	TPP-23GY	23,3	28,7	23,0	28,0	55,0	50
TPP-26SY	TPP-26GY	25,9	31,3	26,0	32,0	60,0	25
TPP-29SY	TPP-29GY	28,8	34,5	29,0	34,0	65,0	25
TPP-36SY	TPP-36GY	36,1	42,5	36,0	42,0	80,0	25
TPP-48SY	TPP-48GY	47,4	54,4	48,0	54,0	100,0	25

V0 Flame Retardant Polypropylene PP Corrugated Plastic Conduit



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386

PROTECTION CLASS : IP66 / IP67 / IP68

OPERATING TEMPERATURE : -30C / +95C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 350 N

PULL-OFF (TENSILE) STRENGTH : 250 N

CERTIFICATE : CE, ROHS

FEATURES

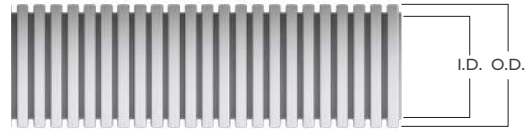
BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
AND ACID RESISTANT | UL 94 HB FLAME RETARDANCY | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPPV0-7S	TPPV0-7G	6,6	10,0	7,0	10,0	15,0	100
TPPV0-8,5S	TPPV0-8,5G	8,5	11,7	8,0	11,0	15,0	100
TPPV0-10S	TPPV0-10G	9,8	13,2	10,0	13,0	25,0	100
TPPV0-12S	TPPV0-12G	12,4	15,8	12,0	16,0	35,0	100
TPPV0-14S	TPPV0-14G	14,3	18,5	14,0	18,0	40,0	50
TPPV0-15S	TPPV0-15G	14,8	20,0	15,0	20,0	40,0	50
TPPV0-17S	TPPV0-17G	16,6	21,4	17,0	21,0	40,0	50
TPPV0-19S	TPPV0-19G	19,3	24,0	19,0	25,0	50,0	50
TPPV0-22S	TPPV0-22G	21,8	25,4	22,0	27,0	50,0	50
TPPV0-23S	TPPV0-23G	23,3	28,7	23,0	28,0	55,0	50
TPPV0-26S	TPPV0-26G	25,9	31,3	26,0	32,0	60,0	25
TPPV0-29S	TPPV0-29G	28,8	34,5	29,0	34,0	65,0	25
TPPV0-36S	TPPV0-36G	36,1	42,5	36,0	42,0	80,0	25
TPPV0-48S	TPPV0-48G	47,4	54,4	48,0	54,0	100,0	25

Modified Polypropylene PP MOD Corrugated Plastic Conduit



TECHNICAL INFORMATION

MATERIAL : PP MOD
STANDARD : EN 61386
PROTECTION CLASS : IP66 / IP67 / IP68
OPERATING TEMPERATURE : -30C / +130C
FLAMMABILITY CLASS : UL94 HB (UL94V0 IS OPTIONAL)
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : 350 N
PULL-OFF (TENSILE) STRENGTH : 250 N
CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | EASY INSTALLATION | UV RESISTANT
 (BLACK COLOUR)

APPLICATIONS

AUTOMATION SYSTEMS | AUTOMOTIVE | ROBOT
 APPLICATIONS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPPMOD-7S	TPPMOD-7G	6,6	10,0	7,0	10,0	15,0	100
TPPMOD-8,5S	TPPMOD-8,5G	8,5	11,7	8,0	11,0	15,0	100
TPPMOD-10S	TPPMOD-10G	9,8	13,2	10,0	13,0	25,0	100
TPPMOD-12S	TPPMOD-12G	12,4	15,8	12,0	16,0	35,0	100
TPPMOD-14S	TPPMOD-14G	14,3	18,5	14,0	18,0	40,0	50
TPPMOD-15S	TPPMOD-15G	14,8	20,0	15,0	20,0	40,0	50
TPPMOD-17S	TPPMOD-17G	16,6	21,4	17,0	21,0	40,0	50
TPPMOD-19S	TPPMOD-19G	19,3	24,0	19,0	25,0	50,0	50
TPPMOD-22S	TPPMOD-22G	21,8	25,4	22,0	27,0	50,0	50
TPPMOD-23S	TPPMOD-23G	23,3	28,7	23,0	28,0	55,0	50
TPPMOD-26S	TPPMOD-26G	25,9	31,3	26,0	32,0	60,0	25
TPPMOD-29S	TPPMOD-29G	28,8	34,5	29,0	34,0	65,0	25
TPPMOD-36S	TPPMOD-36G	36,1	42,5	36,0	42,0	80,0	25
TPPMOD-48S	TPPMOD-48G	47,4	54,4	48,0	54,0	100,0	25

Modified Polypropylene PP MOD Corrugated Plastic Conduit Slit Type



TECHNICAL INFORMATION

MATERIAL : PP MOD
STANDARD : EN 61386
PROTECTION CLASS : N/A
OPERATING TEMPERATURE : -30C / +130C
FLAMMABILITY CLASS : UL94 HB (UL94V0 IS OPTIONAL)
COLOR : GREY (RAL 7031) , BLACK (RAL 9011)
COMPRESSION STRENGTH : N/A
PULL-OFF (TENSILE) STRENGTH : N/A
CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 CADMIUM FREE | ABRASION RESISTANT | BENZINE, SOLVENT
 AND ACID RESISTANT | EASY INSTALLATION | UV RESISTANT
 (BLACK COLOUR)

APPLICATIONS

AUTOMATION SYSTEMS | AUTOMOTIVE | ROBOT
 APPLICATIONS

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TPPMOD-7SY	TPPMOD-7GY	6,6	10,0	7,0	10,0	15,0	100
TPPMOD-8,5SY	TPPMOD-8,5GY	8,5	11,7	8,0	11,0	15,0	100
TPPMOD-10SY	TPPMOD-10GY	9,8	13,2	10,0	13,0	25,0	100
TPPMOD-12SY	TPPMOD-12GY	12,4	15,8	12,0	16,0	35,0	100
TPPMOD-14SY	TPPMOD-14GY	14,3	18,5	14,0	18,0	40,0	50
TPPMOD-15SY	TPPMOD-15GY	14,8	20,0	15,0	20,0	40,0	50
TPPMOD-17SY	TPPMOD-17GY	16,6	21,4	17,0	21,0	40,0	50
TPPMOD-19SY	TPPMOD-19GY	19,3	24,0	19,0	25,0	50,0	50
TPPMOD-22SY	TPPMOD-22GY	21,8	25,4	22,0	27,0	50,0	50
TPPMOD-23SY	TPPMOD-23GY	23,3	28,7	23,0	28,0	55,0	50
TPPMOD-26SY	TPPMOD-26GY	25,9	31,3	26,0	32,0	60,0	25
TPPMOD-29SY	TPPMOD-29GY	28,8	34,5	29,0	34,0	65,0	25
TPPMOD-36SY	TPPMOD-36GY	36,1	42,5	36,0	42,0	80,0	25
TPPMOD-48SY	TPPMOD-48GY	47,4	54,4	48,0	54,0	100,0	25



TECHNICAL INFORMATION

MATERIAL : PVC

STANDARD : EN 61386

PROTECTION CLASS : IP65

OPERATING TEMPERATURE : -20C / +70C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

COMPRESSION STRENGTH : 450 N

PULL-OFF (TENSILE) STRENGTH : 250 N

CERTIFICATE : CE, ROHS

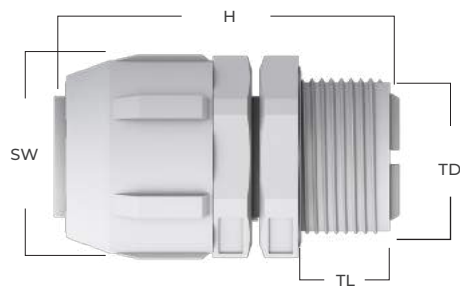
FEATURES

BEST GRADE MATERIAL | OIL AND ACID RESISTANT | UL 94 HB
FLAME RETARDANCY | EASY INSTALLATION | UV RESISTANT
(BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NW CONDUIT SIZE (EUROPEAN) (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TFL-10B	TFL-10G	6,6	10,0	7,0	10,0	25,0	30
TFL-12B	TFL-12G	10,0	14,5	10,0	12,0	25,0	30
TFL-16B	TFL-16G	12,0	16,2	12,0	16,0	25,0	30
TFL-18B	TFL-18G	14,0	18,0	14,0	18,0	30,0	30
TFL-20B	TFL-20G	16,0	20,5	16,0	20,0	35,0	30
TFL-25B	TFL-25G	22,0	26,5	22,0	25,0	45,0	30
TFL-30B	TFL-30G	25,0	30,0	25,0	30,0	55,0	30
TFL-32B	TFL-32G	28,0	33,0	28,0	32,0	60,0	30
TFL-40B	TFL-40G	35,0	40,6	35,0	40,0	80,0	30
TFL-50B	TFL-50G	40,0	45,8	40,0	50,0	100,0	30
TFL-63B	TFL-63G	50,0	56,3	50,0	63,0	110,0	30



TECHNICAL INFORMATION

MATERIAL : PVC

THREAD STANDARD : METRIC EN 60423 , PG DIN 40430

PROTECTION CLASS : IP65

OPERATING TEMPERATURE : -20C / +70C

FLAMMABILITY CLASS : UL94 V2

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

PULL-OFF (TENSILE) STRENGTH :

CERTIFICATE : CE, ROHS

FEATURES

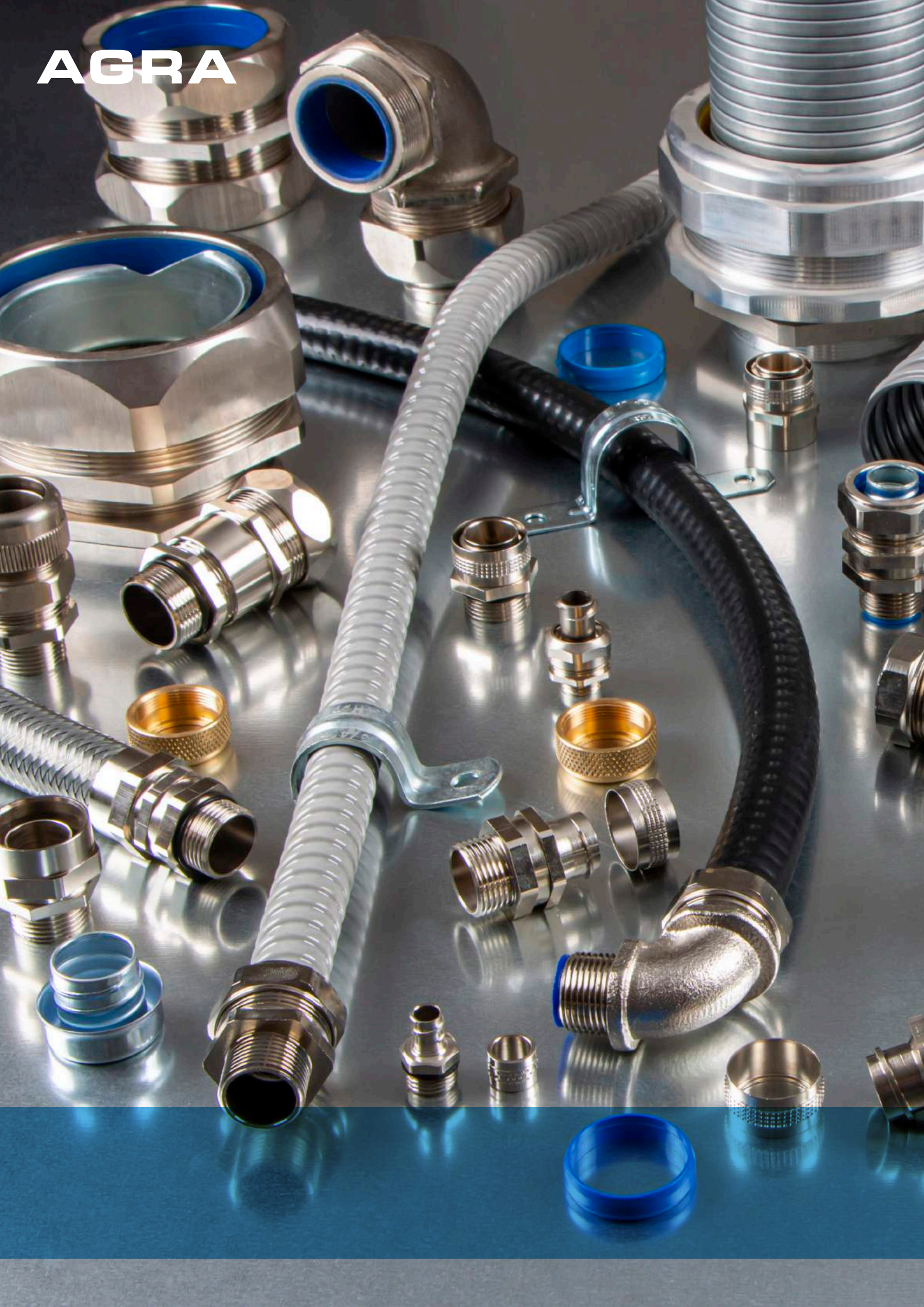
BEST GRADE MATERIAL | OIL AND ACID RESISTANT | UL 94 V2
FLAME RETARDANCY | SELF-EXTINGUISHING | EASY INSTALLATION
| UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	THREAD SIZE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PCS/PACK)
TX-10/9-S	TX-10/9-G	PG-9	12,0	15,2	11,0	24,0	41,0	100
TX-12/11-S	TX-12/11-G	PG-11	16,0	18,6	11,0	27,0	42,0	100
TX-14/13-S	TX-14/13-G	PG-13,5	18,0	20,4	13,0	30,0	48,5	50
TX-16/16-S	TX-16/16-G	PG-16	20,0	22,5	13,0	31,5	48,5	50
TX-20/21-S	TX-20/21-G	PG-21	25,0	28,3	13,0	36,0	50,0	50
TX-28/29-S	TX-28/29-G	PG-29	32,0	37,0	17,0	47,0	62,0	25

AGRA





FLEXIBLE STEEL

CONDUITS & FITTINGS

Flexible Steel Conduits

Product Group Code	Product Type	Material	Colour	Compression Strength	Pull-Off Strenght	Min. Bend Radius For 20 mm Size
Non-coated Conduit	TS	Galvanized steel	Self-coloured	1000 N	750 N	45
Non-coated Conduit	TSS	Stainless Steel	Self-coloured	1000 N	750 N	45
Braided Conduit	TC	Galvanised Steel	Self-coloured	1000 N	750 N	45
Coated Conduit	TNH	Galvanized steel+PVC	Black/Grey	1000 N	750 N	45
Coated Conduit	TN	Galvanized steel+PVC	Black/Grey	600 N	400 N	45
Coated Conduit	TNV	Galvanized steel+TPV	Black/Grey	1000 N	750 N	45
Coated Conduit	TNLSOH	Galvanized steel+Special compound	Black/Grey	1000 N	750 N	45
Braided Conduit	TNC	Galvanized steel+PVC	Self-coloured	1000 N	750 N	45
Coated Conduit	EF	Galvanized steel+PVC	Black/Grey	1000 N	750 N	65
Coated Conduit	EFLSOH	Galvanized steel+ Special compound	Black/Grey	1000 N	750 N	65

Temp Max. C°	Temp Min. C°	IP Rating	Rohs	Reach	UV Resistance	Halofen Free	Self Extinguishing
300	-50	IP40					
600	-100	IP40					
300	-50	IP40					
70	-20	IP54 / IP65					
70	-20	IP54 / IP65					
100	-40	IP54 / IP65					
100	-40	IP54 / IP65					
70	-20	IP54 / IP65					
70	-20	IP67 / IP68					
100	-40	IP67 / IP68					



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -50°C / +300°C

FLAMMABILITY CLASS : NON FLAMMABLE

COLOR : SELF-COLOURED

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

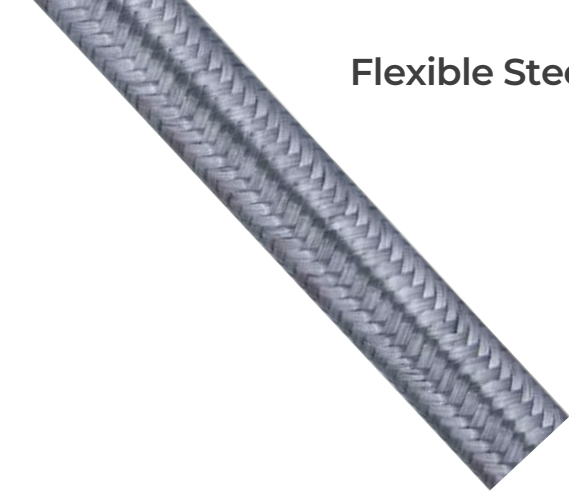
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | NON FLAMMABLE |
SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | UV
RESISTANT

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTO-
MOTIVE | CONSTRUCTION | SHIP BUILDING | RAILWAY
(EN 45545-2 HL2 HL3) | EXPROOF APPLICATIONS

CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TS-7	7,0	10,0	10,0	30,0	50
TS-9	10,0	14,0	12,0	40,0	50
TS-11	11,0	15,0		45,0	50
TS-12	12,0	16,0		45,0	50
TS-13	13,0	17,0	16,0	50,0	50
TS-14	14,0	18,0	18,0	50,0	50
TS-16	15,5	19,5		50,0	50
TS-17	17,0	21,0	20,0	55,0	50
TS-18	18,0	22,0		55,0	50
TS-21	20,5	24,5	25,0	70,0	50
TS-27	25,5	31,0		95,0	25
TS-29	28,0	34,0	32,0	95,0	25
TS-32	32,0	38,0		100,0	25
TS-35	34,5	40,0		110,0	25
TS-37	37,7	44,5	40,0	115,0	25
TS-40	39,5	45,5	45,0	120,0	25
TS-45	45,0	51,5		130,0	25
TS-48	48,4	55,0	50,0	135,0	25
TS-50	49,5	56,5		140,0	25
TS-63	57,5	64,5	63,0	250,0	10
TS-75	70,0	79,0	75,0	300,0	10
TS-100	102,0	110,0	100,0	350,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -100°C / +300°C

FLAMMABILITY CLASS : NON FLAMMABLE

COLOR : SELF-COLOURED

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | NON FLAMMABLE |
SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | UV
RESISTANT

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTO-
MOTIVE | CONSTRUCTION | SHIP BUILDING | RAILWAY
| EXPROOF APPLICATIONS

CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TÇ-7	7,0	10,0	10,0	30,0	50
TÇ-9	10,0	14,0	12,0	40,0	50
TÇ-11	11,0	15,0		45,0	50
TÇ-12	12,0	16,0		45,0	50
TÇ-13	13,0	17,0	16,0	50,0	50
TÇ-14	14,0	18,0	18,0	50,0	50
TÇ-16	15,5	19,5		50,0	50
TÇ-17	17,0	21,0	20,0	55,0	50
TÇ-18	18,0	22,0		55,0	50
TÇ-21	20,5	24,5	25,0	70,0	50
TÇ-27	25,5	31,0		95,0	25
TÇ-29	28,0	34,0	32,0	95,0	25
TÇ-32	32,0	38,0		100,0	25
TÇ-35	34,5	40,0		110,0	25
TÇ-37	37,7	44,5	40,0	115,0	25
TÇ-40	39,5	45,5	45,0	120,0	25
TÇ-45	45,0	51,5		130,0	25
TÇ-48	48,4	55,0	50,0	135,0	25
TÇ-50	49,5	56,5		140,0	25
TÇ-63	57,5	64,5	63,0	250,0	10
TÇ-75	70,0	79,0	75,0	300,0	10
TÇ-100	102,0	110,0	100,0	350,0	10



TECHNICAL INFORMATION

MATERIAL : STAINLESS STEEL 304 (316L IS OPTIONAL)
STANDARD : EN 61386 / BS 6853 / EN 45545-2 HL2 HL3
PROTECTION CLASS : IP40
OPERATING TEMPERATURE: -100°C / +600°C
FLAMMABILITY CLASS : NON FLAMMABLE
COLOR : SELF-COLOURED
COMPRESSION STRENGTH : 1000 N
PULL-OFF (TENSILE) STRENGTH : 750 N
CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
 PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE,
 SOLVENT AND ACID RESISTANT | NON FLAMMABLE |
 SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | UV
 RESISTANT

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTO-
 MOTIVE | CONSTRUCTION | SHIP BUILDING | RAILWAY
 (EN 45545-2 HL2 HL3) | EXPROOF APPLICATIONS |
 MARINE INDUSTRY

CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TSS-7	7,0	10,0	10,0	30,0	50
TSS-9	10,0	14,0	12,0	40,0	50
TSS-11	11,0	15,0		45,0	50
TSS-12	12,0	16,0		45,0	50
TSS-13	13,0	17,0	16,0	50,0	50
TSS-14	14,0	18,0	18,0	50,0	50
TSS-16	15,5	19,5		50,0	50
TSS-17	17,0	21,0	20,0	55,0	50
TSS-18	18,0	22,0		55,0	50
TSS-21	20,5	24,5	25,0	70,0	50
TSS-27	25,5	31,0		95,0	25
TSS-29	28,0	34,0	32,0	95,0	25
TSS-32	32,0	38,0		100,0	25
TSS-35	34,5	40,0		110,0	25
TSS-37	37,7	44,5	40,0	115,0	25
TSS-40	39,5	45,5	45,0	120,0	25
TSS-45	45,0	51,5		130,0	25
TSS-48	48,4	55,0	50,0	135,0	25
TSS-50	49,5	56,5		140,0	25
TSS-63	57,5	64,5	63,0	250,0	10
TSS-75	70,0	79,0	75,0	300,0	10
TSS-100	102,0	110,0	100,0	350,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL+ PVC
STANDARD : EN 61386 / BS 6853
PROTECTION CLASS : IP 54 / IP 65
OPERATING TEMPERATURE: -25°C / +90°C
FLAMMABILITY CLASS : UL94 V2
COLOR : BLACK OR GREY OTHERS ON REQUEST
COMPRESSION STRENGTH : 600 N
PULL-OFF (TENSILE) STRENGTH : 400 N
CERTIFICATE : CE, ROHS

FEATURES

WATERPROOF | ABRASION RESISTANT | HIGH MECHANICAL STRENGTH | UV RESISTANCE (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
 | CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TN-7S	TN-7G	7,0	10,0	10,0	30,0	50
TN-9S	TN-9G	10,0	14,0	12,0	40,0	50
TN-11S	TN-11G	11,0	15,0		45,0	50
TN-12S	TN-12G	12,0	16,0		45,0	50
TN-13S	TN-13G	13,0	17,0	16,0	50,0	50
TN-14S	TN-14G	14,0	18,0	18,0	50,0	50
TN-16S	TN-16G	15,5	19,5		50,0	50
TN-17S	TN-17G	17,0	21,0	20,0	55,0	50
TN-18S	TN-18G	18,0	22,0		55,0	50
TN-21S	TN-21G	20,5	24,5	25,0	70,0	50
TN-27S	TN-27G	25,5	31,0		95,0	25
TN-29S	TN-29G	28,0	34,0	32,0	95,0	25
TN-32S	TN-32G	32,0	38,0		100,0	25
TN-35S	TN-35G	34,5	40,0		110,0	25
TN-37S	TN-37G	37,7	44,5	40,0	115,0	25
TN-40S	TN-40G	39,5	45,5	45,0	120,0	25
TN-45S	TN-45G	45,0	51,5		130,0	25
TN-48S	TN-48G	48,4	55,0	50,0	135,0	25
TN-50S	TN-50G	49,5	56,5		140,0	25
TN-63S	TN-63G	57,5	64,5	63,0	250,0	10
TN-75S	TN-75G	70,0	79,0	75,0	300,0	10
TN-100S	TN-100G	102,0	110,0	100,0	350,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL+ PVC

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE: -20°C / +70°C

FLAMMABILITY CLASS : UL94 V2

COLOR : BLACK OR GREY OTHERS ON REQUEST

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | WATERPROOF | ABRASION RESISTANT | BENZINE, SOLVENT AND ACID RESISTANT | UL94 V2 FLAMMABILITY | SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | UV RESISTANCE (BLACK COLOUR) | SMOOTH SURFACE

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE | CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TNH-10-B	TNH-10-G	7,0	10,0	10,0	25,0	50
TNH-12-B	TNH-12-G	10,0	14,0	12,0	30,0	50
TNH-16-B	TNH-16-G	13,0	17,0	16,0	40,0	50
TNH-18-B	TNH-18-G	15,0	19,0	18,0	40,0	50
TNH-20-B	TNH-20-G	17,0	21,5	20,0	45,0	50
TNH-25-B	TNH-25-G	21,2	26,0	25,0	55,0	50
TNH-32-B	TNH-32-G	28,1	34,0	32,0	60,0	25
TNH-40-B	TNH-40-G	37,6	44,5	40,0	90,0	25
TNH-50-B	TNH-50-G	48,4	55,0	50,0	100,0	25
TNH-63-B	TNH-63-G	57,5	64,5	63,0	120,0	10
TNH-75-B	TNH-75-G	70,0	79,0	75,0	150,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL + TPV

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE:

FLAMMABILITY CLASS : UL94 V2

COLOR : BLACK OR GREY OTHERS ON REQUEST

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | WATERPROOF | HALOGEN FREE |
SULPHUR FREE | PHOSPHORUS FREE | ABRASION RESISTANT
| BENZINE, SOLVENT AND ACID RESISTANT | HIGH MECHANICAL STRENGTH | UV RESISTANCE (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TNV-10-B	TNV-10-G	7,0	10,0	10,0	25,0	50
TNV-12-B	TNV-12-G	10,0	14,0	12,0	30,0	50
TNV-16-B	TNV-16-G	13,0	17,0	16,0	40,0	50
TNV-18-B	TNV-18-G	15,0	19,0	18,0	40,0	50
TNV-20-B	TNV-20-G	17,0	21,5	20,0	45,0	50
TNV-25-B	TNV-25-G	21,2	26,0	25,0	55,0	50
TNV-32-B	TNV-32-G	28,1	34,0	32,0	60,0	25
TNV-40-B	TNV-40-G	37,6	44,5	40,0	90,0	25
TNV-50-B	TNV-50-G	48,4	55,0	50,0	100,0	25
TNV-63-B	TNV-63-G	57,5	64,5	63,0	120,0	10
TNV-75-B	TNV-75-G	70,0	79,0	75,0	150,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL + LS0H MATERIAL

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE: -40°C / +100°C

FLAMMABILITY CLASS : UL94 V2

COLOR : BLACK OR GREY OTHERS ON REQUEST

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | WATERPROOF | HALOGEN FREE |
SULPHUR FREE | PHOSPHORUS FREE | ABRASION RESISTANT
| BENZINE, SOLVENT AND ACID RESISTANT | UL94 V2 FLAMMA-
BILITY | SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH |
UV RESISTANCE (BLACK COLOUR) | LOW SMOKE ZERO
HALOGEN

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TNLS0H-10-B	TNLS0H-10-G	7,0	10,0	10,0	25,0	50
TNLS0H-12-B	TNLS0H-12-G	10,0	14,0	12,0	30,0	50
TNLS0H-16-B	TNLS0H-16-G	13,0	17,0	16,0	40,0	50
TNLS0H-18-B	TNLS0H-18-G	15,0	19,0	18,0	40,0	50
TNLS0H-20-B	TNLS0H-20-G	17,0	21,5	20,0	45,0	50
TNLS0H-25-B	TNLS0H-25-G	21,2	26,0	25,0	55,0	50
TNLS0H-32-B	TNLS0H-32-G	28,1	34,0	32,0	60,0	25
TNLS0H-40-B	TNLS0H-40-G	37,6	44,5	40,0	90,0	25
TNLS0H-50-B	TNLS0H-50-G	48,4	55,0	50,0	100,0	25
TNLS0H-63-B	TNLS0H-63-G	57,5	64,5	63,0	120,0	10
TNLS0H-75-B	TNLS0H-75-G	70,0	79,0	75,0	150,0	10



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL + PVC

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE: -25°C / +70°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | ABRASION RESISTANT | BENZINE,
SOLVENT AND ACID RESISTANT | UL94 V2 FLAMMABILITY |
SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
| CONSTRUCTION | SHIP BUILDING | RAILWAY

CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
TNC-7	7,0	10,0	10,0	25,0	50
TNC-9	10,0	15,0	12,0	30,0	50
TNC-13	13,0	18,0	16,0	40,0	50
TNC-16	15,0	20,2	18,0	40,0	50
TNC-17	17,0	22,7	20,0	45,0	50
TNC-21	21,2	27,0	25,0	55,0	50
TNC-29	28,1	35,2	32,0	60,0	25
TNC-37	37,6	45,7	40,0	90,0	25
TNC-48	48,4	57,5	50,0	100,0	25



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL+ PVC

STANDARD : EN 61386 / BS 6853

PROTECTION CLASS : IP 66 / IP 67 / IP 68

OPERATING TEMPERATURE: -25°C / +90°C

FLAMMABILITY CLASS : UL94 V2

COLOR : BLACK OR GREY OTHERS ON REQUEST

COMPRESSION STRENGTH : 1000 N

PULL-OFF (TENSILE) STRENGTH : 750 N

CERTIFICATE : CE, ROHS

FEATURES

BEST GRADE MATERIAL | WATERPROOF | ABRASION RESISTANT | BENZINE, SOLVENT AND ACID RESISTANT | UL94 V2 FLAMMABILITY | SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | UV RESISTANCE (BLACK COLOUR) | SMOOTH SURFACE

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE | CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	US STANDARD (INCH)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
EF-10-S	EF-10-G	10,1	14,4	12,0	5/16"	50,0	30
EF-12-S	EF-12-G	12,6	17,8	16,0	3/8"	55,0	30
EF-16-S	EF-16-G	16,0	21,1	20,0	1/2"	65,0	30
EF-21-S	EF-21-G	21,0	26,5	25,0	3/4"	85,0	30
EF-27-S	EF-27-G	26,5	33,0	32,0	1"	110,0	30
EF-35-S	EF-35-G	35,1	41,8	40,0	1 1/4"	120,0	15
EF-40-S	EF-40-G	40,3	47,8	50,0	1 1/2"	145,0	15
EF-50-S	EF-50-G	51,5	59,8	63,0	2"	170,0	15
EF-63-S	EF-63-G	63,0	71,0	75,0	2 1/2"	400,0	7,5
EF-75-S	EF-75-G	77,0	86,0	80,0	3"	650,0	7,5
EF-100-S	EF-100-G	102,0	112,0	100,0	4"	750,0	7,5

LSOH Coated Liquidtight Conduit



TECHNICAL INFORMATION

MATERIAL : GALVANIZED STEEL + LSOH
STANDARD : EN 61386 / BS 6853
PROTECTION CLASS : IP 66 / IP 67 / IP 68
OPERATING TEMPERATURE: -40°C / +100°C
FLAMMABILITY CLASS : UL94 V2
COLOR : BLACK OR GREY OTHERS ON REQUEST
COMPRESSION STRENGTH : 1000 N
PULL-OFF (TENSILE) STRENGTH : 750 N
CERTIFICATE : CE, ROHS

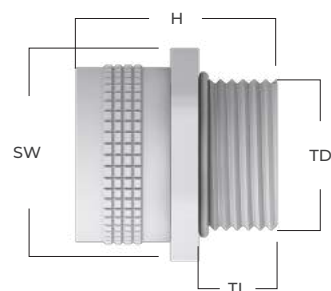
FEATURES

BEST GRADE MATERIAL | WATERPROOF | HALOGEN FREE |
 SULPHUR FREE | PHOSPHORUS FREE | ABRASION RESISTANT
 | BENZINE, SOLVENT AND ACID RESISTANT | UL94 V2 FLAMMA-
 BILITY | SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH |
 UV RESISTANCE (BLACK COLOUR) | SMOOTH SURFACE

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | AUTOMOTIVE
 | CONSTRUCTION | SHIP BUILDING | RAILWAY

BLACK CODE	GREY CODE	INSIDE DIAMETER (MM)	OUTSIDE DIAMETER (MM)	NOMINAL SIZE (MM)	US STANDARD (INCH)	MIN. BENDING RADIUS (MM)	REEL LENGTH (M)
EFLS0H-12-B	EFLS0H-12-G	10,1	14,4	12,0	5/16"	50,0	30
EFLS0H-16-B	EFLS0H-16-G	12,6	17,8	16,0	3/8"	55,0	30
EFLS0H-20-B	EFLS0H-20-G	16,0	21,1	20,0	1/2"	65,0	30
EFLS0H-25-B	EFLS0H-25-G	21,0	26,5	25,0	3/4"	85,0	30
EFLS0H-32-B	EFLS0H-32-G	26,5	33,0	32,0	1"	110,0	30
EFLS0H-40-B	EFLS0H-40-G	35,1	41,8	40,0	1 1/4"	120,0	15
EFLS0H-50-B	EFLS0H-50-G	40,3	47,8	50,0	1 1/2"	145,0	15
EFLS0H-63-B	EFLS0H-63-G	51,5	59,8	63,0	2"	170,0	15
EFLS0H-75-B	EFLS0H-75-G	63,0	71,0	75,0	2 1/2"	400,0	7,5
EFLS0H-80-B	EFLS0H-80-G	77,0	86,0	80,0	3"	650,0	7,5
EFLS0H-100-B	EFLS0H-100-G	102,0	112,0	100,0	4"	750,0	7,5



TECHNICAL INFORMATION

Cap : Nickel Plated Brass (NPB)

Body : Nickel Plated Brass (NPB)

Standard : EN 62444 / 50262

Thread Type : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

Protection Class : IP 40 / IP 54

Operating Temperature: -50°C / +250°C

Color : Self-Coloured

Pull-Off (Tensile) Strength :

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS | CONSTRUCTION

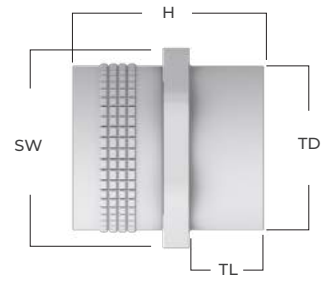
Metric Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
SMR-M12	M12X1,5	10,0	12,0	8,0	13,0	21,0	50
SMR-M16S	M16X1,5	12,0	16,0	8,0	17,0	23,0	50
SMR-M16	M16X1,5	16,0	16,0	10,0	20,0	25,0	50
SMR-M20S	M20X1,5	16,0	20,0	10,0	22,0	25,0	50
SMR-M20	M20X1,5	20,0	20,0	10,0	24,0	26,0	50
SMR-M25	M25X1,5	25,0	25,0	10,0	29,0	32,0	25
SMR-M32	M32X1,5	32,0	32,0	13,0	36,0	37,0	10
SMR-M40	M40X1,5	40,0	40,0	14,0	48,0	39,0	5
SMR-M50	M50X1,5	50,0	50,0	15,0	58,0	42,0	5
SMR-M63	M63X1,5	63,0	63,0	18,0	70,0	50,0	4
SMR-M75	M75X1,5	75,0	75,0	20,0	84,0	60,0	4

PG Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
SPR-PG7	PG-7	10,0	PG-7	8,0	15,0	21,0	50
SPR-PG9	PG-9	12,0	PG-9	8,0	17,0	23,0	50
SPR-PG11	PG-11	16,0	PG-11	10,0	20,0	25,0	50
SPR-PG13	PG-13,5	18,0	PG-13,5	10,0	22,0	26,0	50
SPR-PG16	PG-16	20,0	PG-16	10,0	24,0	26,0	50
SPR-PG21	PG-21	25,0	PG-21	10,0	28,0	32,0	25
SPR-PG29	PG-29	32,0	PG-29	13,0	36,0	37,0	10
SPR-PG36	PG-36	40,0	PG-36	14,0	48,0	39,0	5
SPR-PG48	PG-48	50,0	PG-48	15,0	63,0	42,0	4

* AVAILABLE FOR TS, TSS, TC, TNC, TN SERIES CONDUITS



TECHNICAL INFORMATION

Cap : Nickel Plated Brass (NPB)

Body : Nickel Plated Brass (NPB)

Standard : EN 62444 / 50262

Thread Type : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

Protection Class : IP 40 / IP 54

Operating Temperature: -50°C / +250°C

Color : Self-Coloured

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION

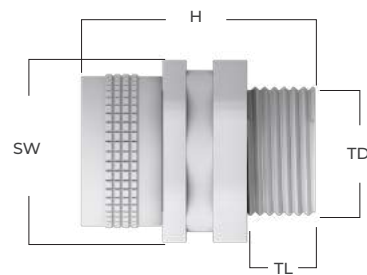
APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
CONSTRUCTION | MARINE , SHIPYARD

				Metric Thread			
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
SMR-M12F	M12X1,5	10,0	12,0	8,0	13,0	21,0	50
SMR-M16SF	M16X1,5	12,0	16,0	8,0	17,0	23,0	50
SMR-M16F	M16X1,5	16,0	16,0	10,0	20,0	25,0	50
SMR-M20SF	M20X1,5	16,0	20,0	10,0	22,0	25,0	50
SMR-M20F	M20X1,5	20,0	20,0	10,0	24,0	26,0	50
SMR-M25F	M25X1,5	25,0	25,0	10,0	29,0	32,0	25
SMR-M32F	M32X1,5	32,0	32,0	13,0	36,0	37,0	10
SMR-M40F	M40X1,5	40,0	40,0	14,0	48,0	39,0	5
SMR-M50F	M50X1,5	50,0	50,0	15,0	58,0	42,0	5
SMR-M63F	M63X1,5	63,0	63,0	18,0	70,0	50,0	4
SMR-M75F	M75X1,5	75,0	75,0	20,0	84,0	60,0	4

				PG Thread			
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
SPR-PG7F	PG-7	10,0	PG-7	8,0	15,0	21,0	50
SPR-PG9F	PG-9	12,0	PG-9	8,0	17,0	23,0	50
SPR-PG11F	PG-11	16,0	PG-11	10,0	20,0	25,0	50
SPR-PG13F	PG-13,5	18,0	PG-13,5	10,0	22,0	26,0	50
SPR-PG16F	PG-16	20,0	PG-16	10,0	24,0	26,0	50
SPR-PG21F	PG-21	25,0	PG-21	10,0	28,0	32,0	25
SPR-PG29F	PG-29	32,0	PG-29	13,0	36,0	37,0	10
SPR-PG36F	PG-36	40,0	PG-36	14,0	48,0	39,0	5
SPR-PG48F	PG-48	50,0	PG-48	15,0	63,0	42,0	4

* AVAILABLE FOR TS, TSS, TC, TNC, TN SERIES CONDUITS



TECHNICAL INFORMATION

Cap : Nickel Plated Brass (NPB)

Body : Nickel Plated Brass (NPB)

Standard : EN 62444 / 50262

Thread Type : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

Protection Class : IP 40 / IP 54

Operating Temperature: -50°C / +250°C

Color : Self-Coloured

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
CONSTRUCTION | MARINE , SHIPYARD

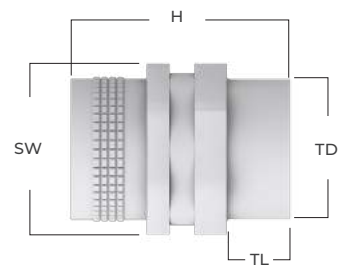
Metric Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
DMR-M12	M12X1,5	10,0	12,0	8,0	13,0	21,0	50
DMR-M16S	M16X1,5	12,0	16,0	8,0	17,0	23,0	50
DMR-M16	M16X1,5	16,0	16,0	10,0	20,0	25,0	50
DMR-M20S	M20X1,5	16,0	20,0	10,0	22,0	25,0	50
DMR-M20	M20X1,5	20,0	20,0	10,0	24,0	26,0	50
DMR-M25	M25X1,5	25,0	25,0	10,0	29,0	32,0	25
DMR-M32	M32X1,5	32,0	32,0	13,0	36,0	37,0	10
DMR-M40	M40X1,5	40,0	40,0	14,0	48,0	39,0	5
DMR-M50	M50X1,5	50,0	50,0	15,0	58,0	42,0	5
DMR-M63	M63X1,5	63,0	63,0	18,0	70,0	50,0	4
DMR-M75	M75X1,5	75,0	75,0	20,0	84,0	60,0	4

PG Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
DPR-PG7	PG-7	10,0	PG-7	8,0	15,0	21,0	50
DPR-PG9	PG-9	12,0	PG-9	8,0	17,0	23,0	50
DPR-PG11	PG-11	16,0	PG-11	10,0	20,0	25,0	50
DPR-PG13	PG-13,5	18,0	PG-13,5	10,0	22,0	26,0	50
DPR-PG16	PG-16	20,0	PG-16	10,0	24,0	26,0	50
DPR-PG21	PG-21	25,0	PG-21	10,0	28,0	32,0	25
DPR-PG29	PG-29	32,0	PG-29	13,0	36,0	37,0	10
DPR-PG36	PG-36	40,0	PG-36	14,0	48,0	39,0	5
DPR-PG48	PG-48	50,0	PG-48	15,0	63,0	42,0	4

*** AVAILABLE FOR TS, TSS, TC, TNC, TN SERIES CONDUITS**



TECHNICAL INFORMATION

Cap : Nickel Plated Brass (NPB)

Body : Nickel Plated Brass (NPB)

Standard : EN 62444 / 50262

Thread Type : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

Protection Class : IP 40

Operating Temperature: -50°C / +250°C

Color : Self-Coloured

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION

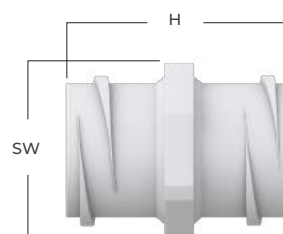
APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
CONSTRUCTION | MARINE , SHIPYARD

				Metric Thread			
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
DMR-M12F	M12X1,5	10,0	12,0	8,0	13,0	21,0	50
DMR-M16SF	M16X1,5	12,0	16,0	8,0	17,0	23,0	50
DMR-M16F	M16X1,5	16,0	16,0	10,0	20,0	25,0	50
DMR-M20SF	M20X1,5	16,0	20,0	10,0	22,0	25,0	50
DMR-M20F	M20X1,5	20,0	20,0	10,0	24,0	26,0	50
DMR-M25F	M25X1,5	25,0	25,0	10,0	29,0	32,0	25
DMR-M32F	M32X1,5	32,0	32,0	13,0	36,0	37,0	10
DMR-M40F	M40X1,5	40,0	40,0	14,0	48,0	39,0	5
DMR-M50F	M50X1,5	50,0	50,0	15,0	58,0	42,0	5
DMR-M63F	M63X1,5	63,0	63,0	18,0	70,0	50,0	4
DMR-M75F	M75X1,5	75,0	75,0	20,0	84,0	60,0	4

				PG Thread			
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
DPR-PG7F	PG-7	10,0	PG-7	8,0	15,0	21,0	50
DPR-PG9F	PG-9	12,0	PG-9	8,0	17,0	23,0	50
DPR-PG11F	PG-11	16,0	PG-11	10,0	20,0	25,0	50
DPR-PG13F	PG-13,5	18,0	PG-13,5	10,0	22,0	26,0	50
DPR-PG16F	PG-16	20,0	PG-16	10,0	24,0	26,0	50
DPR-PG21F	PG-21	25,0	PG-21	10,0	28,0	32,0	25
DPR-PG29F	PG-29	32,0	PG-29	13,0	36,0	37,0	10
DPR-PG36F	PG-36	40,0	PG-36	14,0	48,0	39,0	5
DPR-PG48F	PG-48	50,0	PG-48	15,0	63,0	42,0	4

* AVAILABLE FOR TS, TSS, TC, TNC, TN SERIES CONDUITS



TECHNICAL INFORMATION

Cap : Nickel Plated Brass (NPB)

Body : Nickel Plated Brass (NPB)

Standard : EN 62444 / 50262

Protection Class : IP 40

Operating Temperature: -50°C / +250°C

Color : Self-Coloured

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION

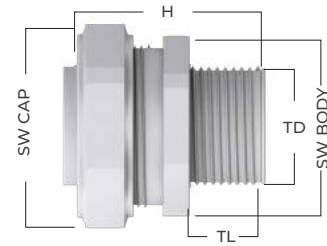
APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
CONSTRUCTION | MARINE , SHIPYARD

CODE	CONDUIT NOM. SIZE (MM)	SW (MM)	H (MM)	QUANTITY (PC/ PACK)
SM-12	12,0	13,0	21,0	50
SM-16	16,0	20,0	25,0	50
SM-20	20,0	24,0	26,0	50
SM-25	25,0	29,0	32,0	50
SM-32	32,0	36,0	37,0	25
SM-40	40,0	48,0	39,0	25
SM-50	50,0	58,0	42,0	25

*** AVAILABLE FOR TS, TSS, TC, TNC, TN SERIES CONDUITS**

Compression Fixed Connector Male Type



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE: -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

SEAL TYPE : PA6

O-RING : NBR

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH |
WATERPROOF | VIBRATION RESISTANT

APPLICATIONS

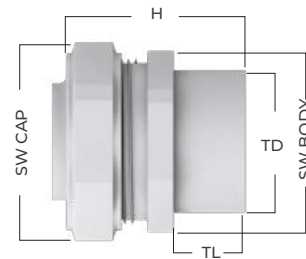
MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

Metric Thread								
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSMR-M12	M12X1,5	10,0	12,0	10,0	20,0	20,0	26,4	50
BSMR-M16S	M16X1,5	12,0	16,0	12,0	22,0	24,0	29,8	50
BSMR-M16	M16X1,5	16,0	16,0	12,0	24,0	26,0	33,0	50
BSMR-M20S	M20X1,5	16,0	20,0	12,0	24,0	26,0	33,5	50
BSMR-M20	M20X1,5	20,0	20,0	12,0	26,0	29,0	33,5	50
BSMR-M25	M25X1,5	25,0	25,0	14,0	33,0	35,0	40,5	25
BSMR-M32	M32X1,5	32,0	32,0	15,0	40,0	42,0	45,8	10
BSMR-M40	M40X1,5	40,0	40,0	16,0	54,0	53,0	47,5	5
BSMR-M50	M50X1,5	50,0	50,0	18,0	58,0	62,0	53,0	5
BSMR-M63	M63X1,5	65,0	63,0	20,0	72,0	76,0	58,8	4
BSMR-M75	M75X1,5	75,0	75,0	22,0	85,0	90,0	60,0	4

Pg Thread								
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSPR-PG7	PG-7	10,0	12,5	10,0	20,0	20,0	26,4	50
BSPR-PG9	PG-9	12,0	15,2	12,0	22,0	24,0	29,8	50
BSPR-PG11/1	PG-11	16,0	18,6	12,0	24,0	26,0	33,0	50
BSPR-PG13	PG-13,5	16,0	20,4	12,0	26,0	26,0	33,5	50
BSPR-PG16	PG-16	20,0	22,5	12,0	26,0	29,0	33,5	50
BSPR-PG21	PG-21	25,0	28,3	14,0	33,0	35,0	40,5	25
BSPR-PG29	PG-29	32,0	37,0	15,0	44,0	42,0	45,8	10
BSPR-PG36	PG-36	40,0	47,0	16,0	52,0	52,0	47,5	5
BSPR-PG42	PG-42	50,0	54,0	18,0	60,0	58,0	53,0	5
BSPR-PG48	PG-48	63,0	59,3	20,0	72,0	70,0	58,8	4

Npt Thread								
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSNR-3/8	3/8"	16,0	17,0	10,0	22,0	26,0	33,0	50
BSNR-1/2S	1/2"	16,0	21,3	12,0	24,0	26,0	33,0	50
BSNR-1/2	1/2"	20,0	21,3	12,0	26,0	29,0	33,5	50
BSNR-3/4	3/4"	25,0	26,6	12,0	33,0	35,0	40,5	25
BSNR-1	1"	32,0	33,4	14,0	40,0	42,0	45,8	10
BSNR-1 1/4	1 1/4"	40,0	42,0	16,0	50,0	52,0	47,5	5
BSNR-1 1/2	1 1/2"	50,0	48,2	18,0	58,0	58,0	53,0	5
BSNR-2	2"	63,0	60,3	20,0	70,0	70,0	58,8	4

* AVAILABLE FOR TN AND EF SERIES CONDUITS



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE: -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH |
WATERPROOF | VIBRATION RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

Metric Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSMR-M12-F	M12X1,5	10,0	12,0	10,0	20,0	20,0	26,4	50
BSMR-M16S-F	M16X1,5	12,0	16,0	12,0	22,0	24,0	29,8	50
BSMR-M16-F	M16X1,5	16,0	16,0	12,0	24,0	26,0	33,0	50
BSMR-M20S-F	M20X1,5	16,0	20,0	12,0	24,0	26,0	33,5	50
BSMR-M20-F	M20X1,5	20,0	20,0	12,0	26,0	29,0	33,5	50
BSMR-M25-F	M25X1,5	25,0	25,0	14,0	33,0	35,0	40,5	25
BSMR-M32-F	M32X1,5	32,0	32,0	15,0	40,0	42,0	45,8	10
BSMR-M40-F	M40X1,5	40,0	40,0	16,0	54,0	53,0	47,5	5
BSMR-M50-F	M50X1,5	50,0	50,0	18,0	58,0	62,0	53,0	5
BSMR-M63-F	M63X1,5	65,0	63,0	20,0	72,0	76,0	58,8	4
BSMR-M75-F	M75X1,5	75,0	75,0	22,0	85,0	90,0	60,0	4

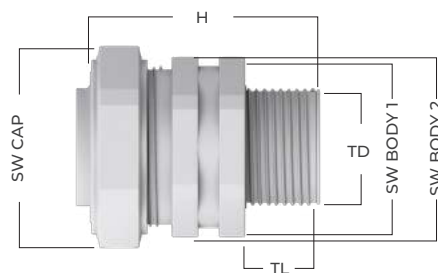
Pg Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSPR-PG7-F	PG-7	10,0	12,5	10,0	20,0	20,0	26,4	50
BSPR-PG9-F	PG-9	12,0	15,2	12,0	22,0	24,0	29,8	50
BSPR-PG11-F	PG-11	16,0	18,6	12,0	24,0	26,0	33,0	50
BSPR-PG13-F	PG-13,5	16,0	20,4	12,0	26,0	26,0	33,5	50
BSPR-PG16-F	PG-16	20,0	22,5	12,0	26,0	29,0	33,5	50
BSPR-PG21-F	PG-21	25,0	28,3	14,0	33,0	35,0	40,5	25
BSPR-PG29-F	PG-29	32,0	37,0	15,0	44,0	42,0	45,8	10
BSPR-PG36-F	PG-36	40,0	47,0	16,0	52,0	52,0	47,5	5
BSPR-PG42-F	PG-42	50,0	54,0	18,0	60,0	58,0	53,0	5
BSPR-PG48-F	PG-48	63,0	59,3	20,0	72,0	70,0	58,8	4

Npt Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BSNR-3/8-F	3/8"	16,0	17,0	10,0	22,0	26,0	33,0	50
BSNR-1/2S-F	1/2"	16,0	21,3	12,0	24,0	26,0	33,0	50
BSNR-1/2-F	1/2"	20,0	21,3	12,0	26,0	29,0	33,5	50
BSNR-3/4-F	3/4"	25,0	26,6	12,0	33,0	35,0	40,5	25
BSNR-1-F	1"	32,0	33,4	14,0	40,0	42,0	45,8	10
BSNR-1 1/4-F	1 1/4"	40,0	42,0	16,0	50,0	52,0	47,5	5
BSNR-1 1/2-F	1 1/2"	50,0	48,2	18,0	58,0	58,0	53,0	5
BSNR-2-F	2"	63,0	60,3	20,0	70,0	70,0	58,8	4

* AVAILABLE FOR TN AND EF SERIES CONDUITS



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE : -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

SEAL TYPE : PA6

O-RING : NBR

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH
WATERPROOF | VIBRATION RESISTANT

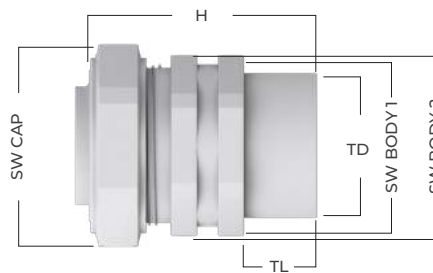
APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

Metric Thread									
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY 1 (MM)	SW BODY 2 (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BDMR-M16S	M16X1,5	12,0	16,0	12,0	20,0	20,0	24,0	29,8	50
BDMR-M16	M16X1,5	16,0	16,0	12,0	24,0	24,0	26,0	33,0	50
BDMR-M20S	M20X1,5	16,0	20,0	12,0	26,0	26,0	26,0	33,5	50
BDMR-M20	M20X1,5	20,0	20,0	12,0	26,0	26,0	29,0	33,5	50
BDMR-M25	M25X1,5	25,0	25,0	14,0	33,0	29,0	35,0	40,5	25
BDMR-M32	M32X1,5	32,0	32,0	15,0	40,0	38,0	42,0	45,8	10
BDMR-M40	M40X1,5	40,0	40,0	16,0	50,0	48,0	52,0	47,5	5
BDMR-M50	M50X1,5	50,0	50,0	18,0	58,0	58,0	58,0	53,0	5

Npt Thread									
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY 1 (MM)	SW BODY 2 (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BDNR-3/8	3/8"	16,0	17,0	10,0	22,0	22,0	26,0	33,0	50
BDNR-1/2S	1/2"	16,0	21,3	12,0	24,0	24,0	26,0	33,0	50
BDNR-1/2	1/2"	20,0	21,3	12,0	26,0	26,0	29,0	33,5	50
BDNR-3/4	3/4"	25,0	26,6	12,0	33,0	29,0	35,0	40,5	25
BDNR-1	1"	32,0	33,4	14,0	40,0	38,0	42,0	45,8	10
BDNR-1 1/4	1 1/4"	40,0	42,0	16,0	50,0	48,0	52,0	47,5	5
BDNR-1 1/2	1 1/2"	50,0	48,2	18,0	58,0	58,0	58,0	53,0	5
BDNR-2	2"	63,0	60,3	20,0	70,0	70,0	70,0	58,8	4

* AVAILABLE FOR TN AND EF SERIES CONDUITS



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE : -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

SEAL TYPE : PA6

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH
WATERPROOF | VIBRATION RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

Metric Thread

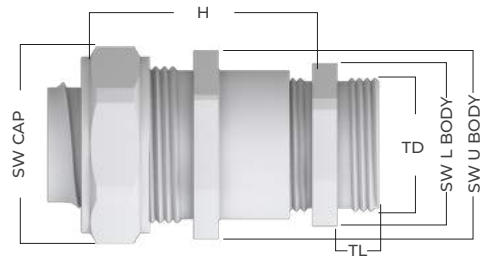
CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY 1 (MM)	SW BODY 2 (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BDMR-M16S-F	M16X1,5	12,0	16,0	12,0	20,0	20,0	24,0	29,8	50
BDMR-M16-F	M16X1,5	16,0	16,0	12,0	24,0	24,0	26,0	33,0	50
BDMR-M20S-F	M20X1,5	16,0	20,0	12,0	26,0	26,0	26,0	33,5	50
BDMR-M20-F	M20X1,5	20,0	20,0	12,0	26,0	26,0	29,0	33,5	50
BDMR-M25-F	M25X1,5	25,0	25,0	14,0	33,0	29,0	35,0	40,5	25
BDMR-M32-F	M32X1,5	32,0	32,0	15,0	40,0	38,0	42,0	45,8	10
BDMR-M40-F	M40X1,5	40,0	40,0	16,0	50,0	48,0	52,0	47,5	5
BDMR-M50-F	M50X1,5	50,0	50,0	18,0	58,0	58,0	58,0	53,0	5

Npt Thread

CODE	THREAD SIZE	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW BODY 1 (MM)	SW BODY 2 (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BDNR-3/8-F	3/8"	16,0	17,0	10,0	22,0	22,0	26,0	33,0	50
BDNR-1/2S-F	1/2"	16,0	21,3	12,0	24,0	24,0	26,0	33,0	50
BDNR-1/2-F	1/2"	20,0	21,3	12,0	26,0	26,0	29,0	33,5	50
BDNR-3/4-F	3/4"	25,0	26,6	12,0	33,0	29,0	35,0	40,5	25
BDNR-1-F	1"	32,0	33,4	14,0	40,0	38,0	42,0	45,8	10
BDNR-1 1/4-F	1 1/4"	40,0	42,0	16,0	50,0	48,0	52,0	47,5	5
BDNR-1 1/2-F	1 1/2"	50,0	48,2	18,0	58,0	58,0	58,0	53,0	5
BDNR-2-F	2"	63,0	60,3	20,0	70,0	70,0	70,0	58,8	4

* AVAILABLE FOR TN AND EF SERIES CONDUITS

Compression Conduit Cable Gland



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

THREAD TYPE : METRIC EN 60423 , PG DIN 40430 , NPT ANSI B1.20.1

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE : -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

Seal Type : TPV

Insert : PA6

O-RING : NBR

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH |
WATERPROOF | VIBRATION RESISTANT | DOUBLE FUNCTION

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

Metric Thread

CODE	THREAD SIZE	CLAMMING RANGE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW UPPER BODY (MM)	SW LOWER BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BRMR-M16	M16X1,5	4,0-8,0	16,0	16,0	12,0	24,0	18,0	26,0	48,0	50
BRMR-M20S	M20X1,5	5,0-10,0	16,0	16,0	12,0	24,0	22,0	26,0	50,0	50
BRMR-M20	M20X1,5	6,0-12,0	20,0	20,0	12,0	27,0	22,0	29,0	53,0	50
BRMR-M25	M25X1,5	10,0-14,0	20,0	20,0	12,0	27,0	27,0	29,0	55,0	25
BRMR-M32	M32X1,5	13,0-18,0	25,0	25,0	12,0	33,0	34,0	35,0	60,0	25
BRMR-M40S	M40X1,5	18,0-25,0	32,0	32,0	15,0	43,0	43,0	42,0	64,0	10
BRMR-M40	M40X1,5	22,0-32,0	40,0	40,0	15,0	43,0	43,0	52,0	68,0	5
BRMR-M50	M50X1,5	22,0-32,0	40,0	50,0	15,0	55,0	55,0	58,0	68,0	5

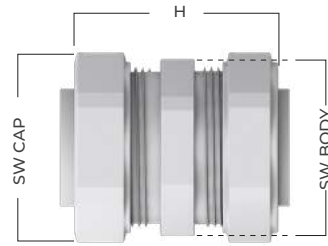
Pg Thread

CODE	THREAD SIZE	CLAMMING RANGE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW UPPER BODY (MM)	SW LOWER BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BRPR-PG7	PG-7	3,0-6,5	12,0	12,5	12,0	20,0	14,0	24,0	47,0	50
BRPR-PG9	PG-9	4,0-8,0	16,0	15,2	12,0	22,0	17,0	26,0	48,0	50
BRPR-PG11	PG-11	5,0-10,0	16,0	18,6	12,0	24,0	20,0	26,0	50,0	50
BRPR-PG13	PG-13,5	6,0-12,0	20,0	20,4	12,0	26,0	22,0	29,0	53,0	50
BRPR-PG16	PG-16	10,0-14,0	20,0	22,5	12,0	26,0	24,0	29,0	55,0	25
BRPR-PG21	PG-21	13,0-18,0	25,0	28,3	15,0	33,0	30,0	35,0	60,0	10
BRPR-PG29	PG-29	18,0-25,0	32,0	37,0	15,0	44,0	40,0	42,0	64,0	5
BRPR-PG36	PG-36	22,0-32,0	40,0	47,0	15,0	52,0	50,0	52,0	68,0	5
BRPR-PG42	PG-42	30,0-38,0	50,0	54,0	15,0	60,0	57,0	58,0	70,0	5
BRPR-PG48	PG-48	34,0-44,0	50,0	59,3	15,0	72,0	64,0	68,0	70,0	5

Npt Thread

CODE	THREAD SIZE	CLAMMING RANGE (MM)	CONDUIT NOM. SIZE (MM)	TD (MM)	TL (MM)	SW UPPER BODY (MM)	SW LOWER BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
BRNR-3/8S	3/8"	3,0-6,5	12,0	17,0	12,0	20,0	19,0	24,0	47,0	50
BRNR-3/8	3/8"	4,0-8,0	16,0	17,0	12,0	22,0	20,0	26,0	48,0	50
BRNR-1/2S	1/2"	5,0-10,0	16,0	21,3	12,0	24,0	22,0	26,0	50,0	50
BRNR-1/2	1/2"	6,0-12,0	20,0	21,3	12,0	26,0	24,0	29,0	53,0	50
BRNR-3/4	3/4"	10,0-14,0	25,0	26,6	12,0	33,0	30,0	35,0	60,0	25
BRNR-1	1"	13,0-18,0	32,0	33,4	15,0	40,0	43,0	42,0	64,0	10
BRNR-11/4	11/4"	18,0-25,0	40,0	42,0	15,0	50,0	50,0	52,0	68,0	5
BRNR-11/2	11/2"	22,0-32,0	50,0	48,2	15,0	58,0	58,0	58,0	70,0	5
BRNR-2	2"	34,0-44,0	50,0	60,3	15,0	70,0	64,0	68,0	70,0	5

* AVAILABLE FOR TN AND EF SERIES CONDUITS



TECHNICAL INFORMATION

CAP : NICKEL PLATED BRASS (NPB)

BODY : NICKEL PLATED BRASS (NPB)

STANDARD : EN 62444 / 50262

PROTECTION CLASS : IP 67 / IP 68

OPERATING TEMPERATURE: -40°C / +120°C

FLAMMABILITY CLASS : UL94 V2

COLOR : SELF-COLOURED

Seal Type : TPV

O-RING : NBR

FEATURES

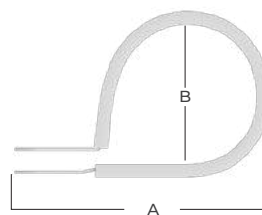
BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH |
WATERPROOF | VIBRATION RESISTANT

APPLICATIONS

MACHINE BUILDINGS | AUTOMATION SYSTEMS
| CONSTRUCTION | MARINE , SHIPYARD

CODE	CONDUIT NOM. SIZE (MM)	SW BODY (MM)	SW CAP (MM)	H (MM)	QUANTITY (PC/ PACK)
CM-10	10,0	20,0	20,0	36,0	50
CM-12	12,0	22,0	24,0	40,0	50
CM-16	16,0	24,0	26,0	40,0	50
CM-20	20,0	26,0	29,0	44,0	50
CM-25	25,0	33,0	35,0	48,0	50
CM-32	32,0	40,0	42,0	52,0	25
CM-40	40,0	54,0	53,0	68,0	25
CM-50	50,0	58,0	62,0	78,0	25

*** AVAILABLE FOR TN AND EF SERIES CONDUITS**



TECHNICAL INFORMATION

Material : Galvanized Steel + PVC

Standard : 50262

Operating Temperature: -25°C / +90°C

Color : Self-Coloured

FEATURES

BEST GRADE MATERIAL | HIGH MECHANICAL STRENGTH | EASY INSTALLATION | VIBRATION RESISTANT

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
CONSTRUCTION | MARINE, SHIPYARD

CODE	CONDUIT NOM. SIZE (MM)	A (MM)	B (MM)	QUANTITY (PC/ PACK)
PK10	10,0	28,0	10,0	50
PK13	12,0	31,0	13,0	50
PK16	16,0	36,0	18,0	50
PK20	20,0	39,0	21,0	50
PK25	25,0	45,0	26,5	50
PK32	32,0	51,0	33,0	25
PK40	40,0	60,0	42,0	25
PK50	50,0	66,0	48,0	25

* AVAILABLE FOR ALL TYPE OF CONDUITS

AGRA





RESIDENTIAL TYPE

CONDUITS & FITTINGS

Corrugated Plastic Conduits For Installations

Product Group	Product Group Code	Product Type	Material	Colour	Compression Strength (kg/100 mm)	Pull-Off Strenght (kg)	Min. Bend Radius (mm)	Temp Max. C° (Static)	Temp Min. C° (Static)
Halogen Free Flexible Conduits	THS	HF Flex Conduits	Polypropylene	B/G/W/O/L	35/75	25	40	60	-25
	THYS	HF Flex Conduit Self Extinguishing	Special Compound	B/G/W/O/L	35/75	25	40	60	-25
	THSK	HF Flex Conduit w/guiding wire	Polypropylene	B/G/W/O/L	35/75	25	40	60	-25
	THYSK	HF Flex Conduit S.Ext. And w/guiding wire	Special Compound	B/G/W/O/L	35/75	25	40	60	-25
Halogen Free Flexible Conduits	THD	HF Rigid Conduits	Polypropylene	B/G/W/O/L	35/75	25		60	-25
	THYD	HF Rigid Conduit Self Extinguishing	Special Compound	B/G/W/O/L	35/75	25		60	-25
Halogen Free Coil Pipes	THK	HF Coil Pipes	Polyethylene	B/G/W/O/L	35/75	25	50	60	-25
	THYK	HF Coil Pipes Self Extinguishing	Special Compound	B/G/W/O/L	35/75	25	50	60	-25

* B : Black G : Grey W: White O: Orange L: Blue

IP Rating	Rohs	Reach	Gost	UV Resistance	Low Fire Hazard	Halofen Free	Self Extinguishing	Fire Tests- EN45545-2	Resistance to Solvents	Abrasion Resistance	SUITABLE CONNECTORS	
IP68												
IP68												
IP68												
IP68												
IP68												
IP68												
IP68												
IP68												



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-22

OPERATING TEMPERATURE: -25°C / +60°C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N, MEDIUM : 750N, HEAVY : 1250N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
EASY INSTALLATION | BEST GRADE MATERIAL | RESISTANT
TO ACID AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THS-116-G	THS-116-S	THS-116-LG	16 MM	11,70	16,0	100
THS-120-G	THS-120-S	THS-120-LG	20 MM	14,20	20,0	100
THS-125-G	THS-125-S	THS-125-LG	25 MM	18,10	25,0	50
THS-132-G	THS-132-S	THS-132-LG	32 MM	24,20	32,0	50
THS-140-G	THS-140-S	THS-140-LG	40 MM	31,2	40,0	50
THS-150-G	THS-150-S	THS-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THS-216-G	THS-216-S	THS-216-LG	16 MM	11,60	16,0	100
THS-220-G	THS-220-S	THS-220-LG	20 MM	14,10	20,0	100
THS-225-G	THS-225-S	THS-225-LG	25 MM	18,00	25,0	50
THS-232-G	THS-232-S	THS-232-LG	32 MM	24,10	32,0	50
THS-240-G	THS-240-S	THS-240-LG	40 MM	31,0	40,0	50
THS-250-G	THS-250-S	THS-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THS-316-G	THS-350-S	THS-316-LG	16 MM	11,40	16,0	100
THS-320-G	THS-320-S	THS-320-LG	20 MM	14,00	20,0	100
THS-325-G	THS-325-S	THS-325-LG	25 MM	17,70	25,0	50
THS-332-G	THS-332-S	THS-332-LG	32 MM	24,00	32,0	50
THS-340-G	THS-340-S	THS-340-LG	40 MM	30,80	40,0	50
THS-350-G	THS-350-S	THS-350-LG	50 MM	39,00	50,0	25



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-22

OPERATING TEMPERATURE: -25°C / +60°C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N, MEDIUM : 750N, HEAVY : 1250N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
EASY INSTALLATION | BEST GRADE MATERIAL | RESISTANT
TO ACID AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THSK-116-G	THSK-116-S	THSK-116-LG	16 MM	11,70	16,0	100
THSK-120-G	THSK-120-S	THSK-120-LG	20 MM	14,20	20,0	100
THSK-125-G	THSK-125-S	THSK-125-LG	25 MM	18,10	25,0	50
THSK-132-G	THSK-132-S	THSK-132-LG	32 MM	24,20	32,0	50
THSK-140-G	THSK-140-S	THSK-140-LG	40 MM	31,2	40,0	50
THSK-150-G	THSK-150-S	THSK-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THSK-216-G	THSK-216-S	THSK-216-LG	16 MM	11,60	16,0	100
THSK-220-G	THSK-220-S	THSK-220-LG	20 MM	14,10	20,0	100
THSK-225-G	THSK-225-S	THSK-225-LG	25 MM	18,00	25,0	50
THSK-232-G	THSK-232-S	THSK-232-LG	32 MM	24,10	32,0	50
THSK-240-G	THSK-240-S	THSK-240-LG	40 MM	31,0	40,0	50
THSK-250-G	THSK-250-S	THSK-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THSK-316-G	THSK-350-S	THSK-316-LG	16 MM	11,40	16,0	100
THSK-320-G	THSK-320-S	THSK-320-LG	20 MM	14,00	20,0	100
THSK-325-G	THSK-325-S	THSK-325-LG	25 MM	17,70	25,0	50
THSK-332-G	THSK-332-S	THSK-332-LG	32 MM	24,00	32,0	50
THSK-340-G	THSK-340-S	THSK-340-LG	40 MM	30,80	40,0	50
THSK-350-G	THSK-350-S	THSK-350-LG	50 MM	39,00	50,0	25

Halogenfree Self-extinguishing Flexible Conduit



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-22

OPERATING TEMPERATURE: -25°C / +60°C

FLAMMABILITY CLASS : UL94 V0

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N, MEDIUM : 750N, HEAVY : 1250N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
SELF-EXTINGUISHING | UL94 V0 FLAME RETERDANCY | EASY
INSTALLATION | BEST GRADE MATERIAL | RESISTANT TO ACID
AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYS-116-G	THYS-116-S	THYS-116-LG	16 MM	11,70	16,0	100
THYS-120-G	THYS-120-S	THYS-120-LG	20 MM	14,20	20,0	100
THYS-125-G	THYS-125-S	THYS-125-LG	25 MM	18,10	25,0	50
THYS-132-G	THYS-132-S	THYS-132-LG	32 MM	24,20	32,0	50
THYS-140-G	THYS-140-S	THYS-140-LG	40 MM	31,2	40,0	50
THYS-150-G	THYS-150-S	THYS-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYS-216-G	THYS-216-S	THYS-216-LG	16 MM	11,60	16,0	100
THYS-220-G	THYS-220-S	THYS-220-LG	20 MM	14,10	20,0	100
THYS-225-G	THYS-225-S	THYS-225-LG	25 MM	18,00	25,0	50
THYS-232-G	THYS-232-S	THYS-232-LG	32 MM	24,10	32,0	50
THYS-240-G	THYS-240-S	THYS-240-LG	40 MM	31,0	40,0	50
THYS-250-G	THYS-250-S	THYS-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYS-316-G	THYS-350-S	THYS-316-LG	16 MM	11,40	16,0	100
THYS-320-G	THYS-320-S	THYS-320-LG	20 MM	14,00	20,0	100
THYS-325-G	THYS-325-S	THYS-325-LG	25 MM	17,70	25,0	50
THYS-332-G	THYS-332-S	THYS-332-LG	32 MM	24,00	32,0	50
THYS-340-G	THYS-340-S	THYS-340-LG	40 MM	30,80	40,0	50
THYS-350-G	THYS-350-S	THYS-350-LG	50 MM	39,00	50,0	25



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-22

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 V0

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N, MEDIUM : 750N, HEAVY : 1250N

PULL-OFF (TENSILE) STRENGTH : 500 N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
SELF-EXTINGUISHING | UL94 V0 FLAME RETERDANCY | EASY
INSTALLATION | BEST GRADE MATERIAL | RESISTANT TO ACID
AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYSK-116-G	THYSK-116-S	THYSK-116-LG	16 MM	11,70	16,0	100
THYSK-120-G	THYSK-120-S	THYSK-120-LG	20 MM	14,20	20,0	100
THYSK-125-G	THYSK-125-S	THYSK-125-LG	25 MM	18,10	25,0	50
THYSK-132-G	THYSK-132-S	THYSK-132-LG	32 MM	24,20	32,0	50
THYSK-140-G	THYSK-140-S	THYSK-140-LG	40 MM	31,2	40,0	50
THYSK-150-G	THYSK-150-S	THYSK-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYSK-216-G	THYSK-216-S	THYSK-216-LG	16 MM	11,60	16,0	100
THYSK-220-G	THYSK-220-S	THYSK-220-LG	20 MM	14,10	20,0	100
THYSK-225-G	THYSK-225-S	THYSK-225-LG	25 MM	18,00	25,0	50
THYSK-232-G	THYSK-232-S	THYSK-232-LG	32 MM	24,10	32,0	50
THYSK-240-G	THYSK-240-S	THYSK-240-LG	40 MM	31,0	40,0	50
THYSK-250-G	THYSK-250-S	THYSK-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYSK-316-G	THYSK-350-S	THYSK-316-LG	16 MM	11,40	16,0	100
THYSK-320-G	THYSK-320-S	THYSK-320-LG	20 MM	14,00	20,0	100
THYSK-325-G	THYSK-325-S	THYSK-325-LG	25 MM	17,70	25,0	50
THYSK-332-G	THYSK-332-S	THYSK-332-LG	32 MM	24,00	32,0	50
THYSK-340-G	THYSK-340-S	THYSK-340-LG	40 MM	30,80	40,0	50
THYSK-350-G	THYSK-350-S	THYSK-350-LG	50 MM	39,00	50,0	25



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-21

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N , MEDIUM : 750N , HEAVY : 1250N

PULL-OFF (TENSILE) STRENGTH :

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
EASY INSTALLATION | BEST GRADE MATERIAL | RESISTANT
TO ACID AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THD-116-G	THD-116-S	THD-116-LG	16 MM	11,70	16,0	100
THD-120-G	THD-120-S	THD-120-LG	20 MM	14,20	20,0	100
THD-125-G	THD-125-S	THD-125-LG	25 MM	18,10	25,0	50
THD-132-G	THD-132-S	THD-132-LG	32 MM	24,20	32,0	50
THD-140-G	THD-140-S	THD-140-LG	40 MM	31,2	40,0	50
THD-150-G	THD-150-S	THD-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THD-216-G	THD-216-S	THD-216-LG	16 MM	11,60	16,0	100
THD-220-G	THD-220-S	THD-220-LG	20 MM	14,10	20,0	100
THD-225-G	THD-225-S	THD-225-LG	25 MM	18,00	25,0	50
THD-232-G	THD-232-S	THD-232-LG	32 MM	24,10	32,0	50
THD-240-G	THD-240-S	THD-240-LG	40 MM	31,0	40,0	50
THD-250-G	THD-250-S	THD-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THD-316-G	THD-350-S	THD-316-LG	16 MM	11,40	16,0	100
THD-320-G	THD-320-S	THD-320-LG	20 MM	14,00	20,0	100
THD-325-G	THD-325-S	THD-325-LG	25 MM	17,70	25,0	50
THD-332-G	THD-332-S	THD-332-LG	32 MM	24,00	32,0	50
THD-340-G	THD-340-S	THD-340-LG	40 MM	30,80	40,0	50
THD-350-G	THD-350-S	THD-350-LG	50 MM	39,00	50,0	25

Halogenfree Self-Extinguishing Rigid Conduit



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61386-21

PROTECTION CLASS : IP 54 / IP 65

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 V0

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N , MEDIUM : 750N , HEAVY : 1250N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
SELF-EXTINGUISHING | UL94 V0 FLAME RETERDANCY | EASY
INSTALLATION | BEST GRADE MATERIAL | RESISTANT TO ACID
AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS | SHIP BUILDING | RAILWAY

Light Serie 320 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYD-116-G	THYD-116-S	THYD-116-LG	16 MM	11,70	16,0	100
THYD-120-G	THYD-120-S	THYD-120-LG	20 MM	14,20	20,0	100
THYD-125-G	THYD-125-S	THYD-125-LG	25 MM	18,10	25,0	50
THYD-132-G	THYD-132-S	THYD-132-LG	32 MM	24,20	32,0	50
THYD-140-G	THYD-140-S	THYD-140-LG	40 MM	31,2	40,0	50
THYD-150-G	THYD-150-S	THYD-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYD-216-G	THYD-216-S	THYD-216-LG	16 MM	11,60	16,0	100
THYD-220-G	THYD-220-S	THYD-220-LG	20 MM	14,10	20,0	100
THYD-225-G	THYD-225-S	THYD-225-LG	25 MM	18,00	25,0	50
THYD-232-G	THYD-232-S	THYD-232-LG	32 MM	24,10	32,0	50
THYD-240-G	THYD-240-S	THYD-240-LG	40 MM	31,0	40,0	50
THYD-250-G	THYD-250-S	THYD-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYD-316-G	THYD-350-S	THYD-316-LG	16 MM	11,40	16,0	100
THYD-320-G	THYD-320-S	THYD-320-LG	20 MM	14,00	20,0	100
THYD-325-G	THYD-325-S	THYD-325-LG	25 MM	17,70	25,0	50
THYD-332-G	THYD-332-S	THYD-332-LG	32 MM	24,00	32,0	50
THYD-340-G	THYD-340-S	THYD-340-LG	40 MM	30,80	40,0	50
THYD-350-G	THYD-350-S	THYD-350-LG	50 MM	39,00	50,0	25



TECHNICAL INFORMATION

MATERIAL : POLYETHYLENE

STANDARD : EN 61386-22

PROTECTION CLASS : IP 66 / IP 67 / IP 68

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 HB

COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT : 320N , MEDIUM : 750N , HEAVY : 1250N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
EASY INSTALLATION | BEST GRADE MATERIAL | RESISTANT
TO ACID AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THK-116-O	THK-116-S	THK-116-LG	16 MM	11,70	16,0	100
THK-120-O	THK-120-S	THK-120-LG	20 MM	14,20	20,0	100
THK-125-O	THK-125-S	THK-125-LG	25 MM	18,10	25,0	50
THK-132-O	THK-132-S	THK-132-LG	32 MM	24,20	32,0	50
THK-140-O	THK-140-S	THK-140-LG	40 MM	31,2	40,0	50
THK-150-G	THK-150-S	THK-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THK-216-O	THK-216-S	THK-216-LG	16 MM	11,60	16,0	100
THK-220-O	THK-220-S	THK-220-LG	20 MM	14,10	20,0	100
THK-225-O	THK-225-S	THK-225-LG	25 MM	18,00	25,0	50
THK-232-O	THK-232-S	THK-232-LG	32 MM	24,10	32,0	50
THK-240-O	THK-240-S	THK-240-LG	40 MM	31,0	40,0	50
THK-250-O	THK-250-S	THK-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THK-316-O	THK-350-S	THK-316-LG	16 MM	11,40	16,0	100
THK-320-O	THK-320-S	THK-320-LG	20 MM	14,00	20,0	100
THK-325-O	THS-325-S	THK-325-LG	25 MM	17,70	25,0	50
THK-332-O	THK-332-S	THK-332-LG	32 MM	24,00	32,0	50
THK-340-O	THK-340-S	THK-340-LG	40 MM	30,80	40,0	50
THK-350-O	THK-350-S	THK-350-LG	50 MM	39,00	50,0	25

Halogenfree Self-Extinguishing Coil Pipe



TECHNICAL INFORMATION

MATERIAL : POLYETHYLENE

STANDARD : EN 61386-22

PROTECTION CLASS : IP 66 / IP 67 / IP 68

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 V0

COLOR : GREY (RAL 7001),BLACK (RAL 9005),LIGHT GREY (RAL 7035)

COMPRESSION STRENGTH : LIGHT: 320N,MEDIUM:750N,HEAVY:1250N

PULL-OFF (TENSILE) STRENGTH : 1000 N

CERTIFICATE : CE, ROHS

FEATURES

HALOGEN FREE | SULPHUR FREE | PHOSPHORUS FREE |
EASY INSTALLATION | BEST GRADE MATERIAL | RESISTANT
TO ACID AND SOLVENT

APPLICATIONS

RESIDENTIAL BUILDING | COMMERCIAL BUILDINGS |
INSIDE CONCRETE & OUTSIDE CONCRETE | UNDER
FLOOR INSTALLATIONS

Light Serie 320 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYK-116-O	THYK-116-S	THYK-116-LG	16 MM	11,70	16,0	100
THYK-120-O	THYK-120-S	THYK-120-LG	20 MM	14,20	20,0	100
THYK-125-O	THYK-125-S	THYK-125-LG	25 MM	18,10	25,0	50
THYK-132-O	THYK-132-S	THYK-132-LG	32 MM	24,20	32,0	50
THYK-140-O	THYK-140-S	THYK-140-LG	40 MM	31,2	40,0	50
THYK-150-G	THYK-150-S	THYK-150-LG	50 MM	39,6	50,0	25

Medium Serie 750 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYK-216-O	THYK-216-S	THYK-216-LG	16 MM	11,60	16,0	100
THYK-220-O	THYK-220-S	THYK-220-LG	20 MM	14,10	20,0	100
THYK-225-O	THYK-225-S	THYK-225-LG	25 MM	18,00	25,0	50
THYK-232-O	THYK-232-S	THYK-232-LG	32 MM	24,10	32,0	50
THYK-240-O	THYK-240-S	THYK-240-LG	40 MM	31,0	40,0	50
THYK-250-O	THYK-250-S	THYK-250-LG	50 MM	39,3	50,0	25

Heavy Serie 1250 N

ORANGE CODE	BLACK CODE	LIGHT GREY CODE	SIZE	INSIDE DIA. (MM)	OUTSIDE DIA. (MM)	PACK QTY (M)
THYK-316-O	THYK-350-S	THYK-316-LG	16 MM	11,40	16,0	100
THYK-320-O	THYK-320-S	THYK-320-LG	20 MM	14,00	20,0	100
THYK-325-O	THYS-325-S	THYK-325-LG	25 MM	17,70	25,0	50
THYK-332-O	THYK-332-S	THYK-332-LG	32 MM	24,00	32,0	50
THYK-340-O	THYK-340-S	THYK-340-LG	40 MM	30,80	40,0	50
THYK-350-O	THYK-350-S	THYK-350-LG	50 MM	39,00	50,0	25

TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61286-21

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 HB

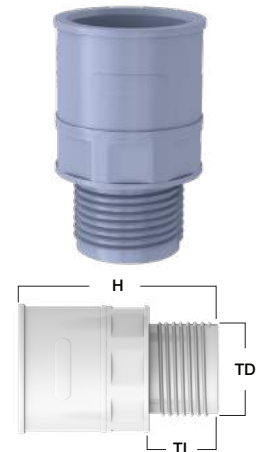
COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

ACCESORRIES : ADAPTORS , CLIPS

CERTIFICATE : CE, ROHS

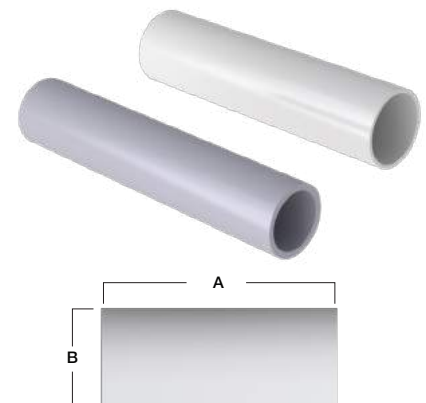
ADAPTOR

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	TD (MM)	TL (MM)	H (MM)	PACK QTY. (PCS)
TH-DR-16-G	TH-DR-16-B	TH-DR-16-LG	16 MM	16,0	12,0	42,0	100
TH-DR-20-G	TH-DR-20-B	TH-DR-20-LG	20 MM	20,0	13,0	43,0	100
TH-DR-25-G	TH-DR-25-B	TH-DR-25-LG	25 MM	25,0	13,0	43,0	100
TH-DR-32-G	TH-DR-32-B	TH-DR-32-LG	32 MM	32,0	14,0	44,0	50



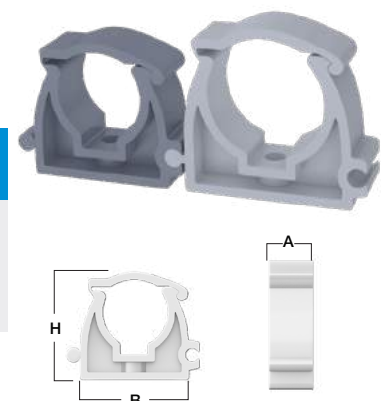
COUPLING

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TH-M-16-G	TH-M-16-B	TH-M-16-LG	16 MM	80,0	19,0	100
TH-M-20-G	TH-M-20-B	TH-M-20-LG	20 MM	80,0	23,0	100
TH-M-25-G	TH-M-25-B	TH-M-25-LG	25 MM	80,0	28,0	100
TH-M-32-G	TH-M-32-B	TH-M-32-LG	32 MM	80,0	36,0	50



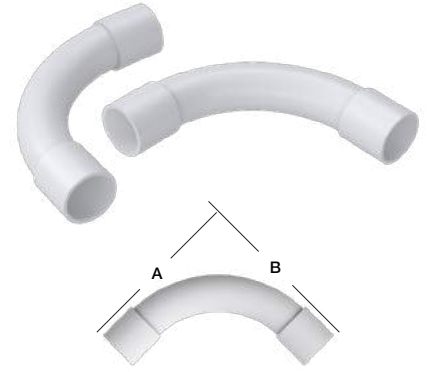
CLIPS

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	H (MM)	PACK QTY. (PCS)
TH-KK-16-G	TH-KK-16-B	TH-KK-16-LG	16 MM	13,0	27,0	28,0	100
TH-KK-20-G	TH-KK-20-B	TH-KK-20-LG	20 MM	13,0	31,5	32,0	100
TH-KK-25-G	TH-KK-25-B	TH-KK-25-LG	25 MM	13,0	35,0	37,0	100
TH-KK-32-G	TH-KK-32-B	TH-KK-32-LG	32 MM	14,0	42,0	42,0	50



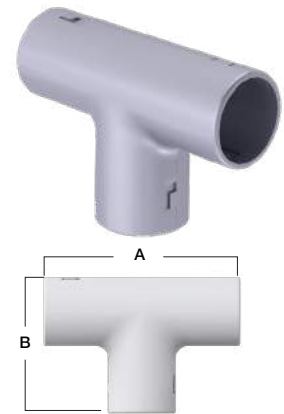
ELBOW

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TH-D-16-G	TH-D-16-B	TH-D-16-LG	16 MM	70,0	70,0	100
TH-D-20-G	TH-D-20-B	TH-D-20-LG	20 MM	90,0	90,0	100
TH-D-25-G	TH-D-25-B	TH-D-25-LG	25 MM	115,0	115,0	50
TH-D-32-G	TH-D-32-B	TH-D-32-LG	32 MM	145,0	145,0	50



OPENABLE T

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TH-T-16-G	TH-T-16-B	TH-T-16-LG	16 MM	65,0	42,0	100
TH-T-20-G	TH-T-20-B	TH-T-20-LG	20 MM	70,0	46,0	100
TH-T-25-G	TH-T-25-B	TH-T-25-LG	25 MM	75,0	52,0	100
TH-T-32-G	TH-T-32-B	TH-T-32-LG	32 MM	82,0	60,0	50



OPENABLE ELBOW

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TH-AD-16-G	TH-AD-16-B	TH-AD-16-LG	16 MM	37,0	37,0	100
TH-AD-20-G	TH-AD-20-B	TH-AD-20-LG	20 MM	46,0	46,0	100
TH-AD-25-G	TH-AD-25-B	TH-AD-25-LG	25 MM	57,0	57,0	100
TH-AD-32-G	TH-AD-32-B	TH-AD-32-LG	32 MM	64,5	64,5	50



BENDING TOOL

CODE	SIZE	PACK QTY. (PCS)
BB-16	16 MM	10
BB-20	20 MM	10
BB-25	25 MM	10
BB-32	32 MM	10

Cable Glands

Corrugated Plastic Conduits & Fittings

Flexible Steel Conduits & Fittings

Residential Type Conduits & Fittings

Pre - Wired Conduits

Expandable Braided Sleeveings

TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61286-21

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : FLAME RETARDANT

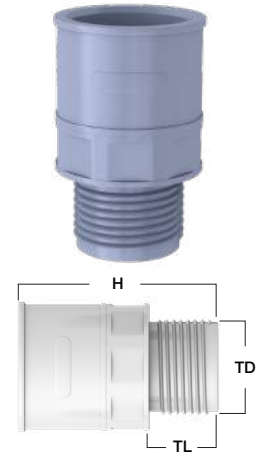
COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

ACCESORRIES : ADAPTORS , CLIPS

CERTIFICATE : CE, ROHS

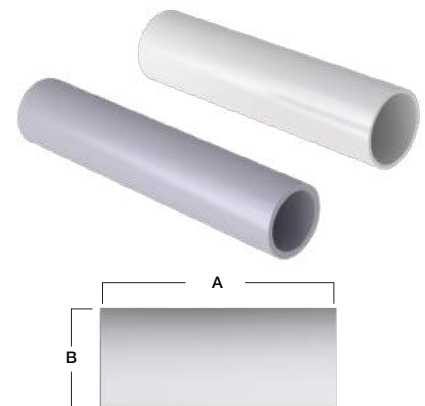
ADAPTOR

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	TD (MM)	TL (MM)	H (MM)	PACK QTY. (PCS)
TY-DR-16-G	TY-DR-16-B	TY-DR-16-LG	16 MM	16,0	12,0	42,0	100
TY-DR-20-G	TY-DR-20-B	TY-DR-20-LG	20 MM	20,0	13,0	43,0	100
TY-DR-25-G	TY-DR-25-B	TY-DR-25-LG	25 MM	25,0	13,0	43,0	100
TY-DR-32-G	TY-DR-32-B	TY-DR-32-LG	32 MM	32,0	14,0	44,0	50



COUPLING

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TY-M-16-G	TY-M-16-B	TY-M-16-LG	16 MM	80,0	19,0	100
TY-M-20-G	TY-M-20-B	TY-M-20-LG	20 MM	80,0	23,0	100
TY-M-25-G	TY-M-25-B	TY-M-25-LG	25 MM	80,0	28,0	100
TY-M-32-G	TY-M-32-B	TY-M-32-LG	32 MM	80,0	36,0	50



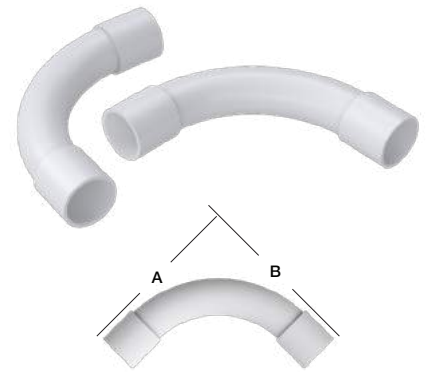
CLIPS

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	H (MM)	PACK QTY. (PCS)
TY-KK-16-G	TY-KK-16-B	TY-KK-16-LG	16 MM	13,0	27,0	28,0	100
TY-KK-20-G	TY-KK-20-B	TY-KK-20-LG	20 MM	13,0	31,5	32,0	100
TY-KK-25-G	TY-KK-25-B	TY-KK-25-LG	25 MM	13,0	35,0	37,0	100
TH-KK-32-G	TY-KK-32-B	TY-KK-32-LG	32 MM	14,0	42,0	42,0	50



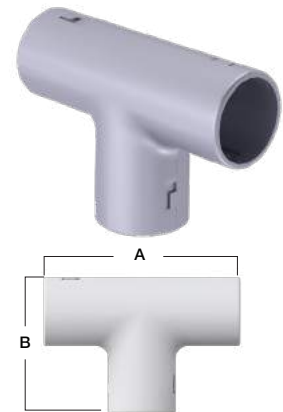
ELBOW

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TY-D-16-G	TY-D-16-B	TY-D-16-LG	16 MM	70,0	70,0	100
TY-D-20-G	TY-D-20-B	TY-D-20-LG	20 MM	90,0	90,0	100
TY-D-25-G	TY-D-25-B	TY-D-25-LG	25 MM	115,0	115,0	50
TY-D-32-G	TY-D-32-B	TY-D-32-LG	32 MM	145,0	145,0	50



OPENABLE T

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TY-T-16-G	TY-T-16-B	TY-T-16-LG	16 MM	65,0	42,0	100
TY-T-20-G	TY-T-20-B	TY-T-20-LG	20 MM	70,0	46,0	100
TY-T-25-G	TY-T-25-B	TY-T-25-LG	25 MM	75,0	52,0	100
TY-T-32-G	TY-T-32-B	TY-T-32-LG	32 MM	82,0	60,0	50



OPENABLE ELBOW

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TY-AD-16-G	TY-AD-16-B	TY-AD-16-LG	16 MM	37,0	37,0	100
TY-AD-20-G	TY-AD-20-B	TY-AD-20-LG	20 MM	46,0	46,0	100
TY-AD-25-G	TY-AD-25-B	TY-AD-25-LG	25 MM	57,0	57,0	100
TY-AD-32-G	TY-AD-32-B	TY-AD-32-LG	32 MM	64,5	64,5	50



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61286-21

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : UL94 HB

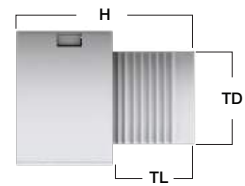
COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

ACCESORRIES : ADAPTORS , CLIPS

CERTIFICATE : CE, ROHS

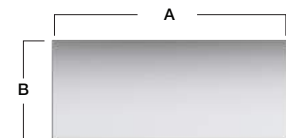
ADAPTOR

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	TD (MM)	TL (MM)	H (MM)	PACK QTY. (PCS)
TH-SR-16-G	TH-SR-16-B	TH-SR-16-LG	16 MM	16,0	12,0	42,0	100
TH-SR-20-G	TH-SR-20-B	TH-SR-20-LG	20 MM	20,0	13,0	43,0	100
TH-SR-25-G	TH-SR-25-B	TH-SR-25-LG	25 MM	25,0	13,0	43,0	100
TH-SR-32-G	TH-SR-32-B	TH-SR-32-LG	32 MM	32,0	14,0	44,0	50



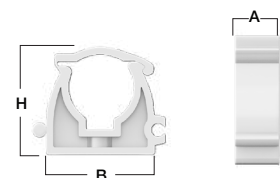
COUPLING

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TH-SF-16-G	TH-SF-16-B	TH-SF-16-LG	16 MM	80,0	19,0	100
TH-SF-20-G	TH-SF-20-B	TH-SF-20-LG	20 MM	80,0	23,0	100
TH-SF-25-G	TH-SF-25-B	TH-SF-25-LG	25 MM	80,0	28,0	100
TH-SF-32-G	TH-SF-32-B	TH-SF-32-LG	32 MM	80,0	36,0	50



CLIPS

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	H (MM)	PACK QTY. (PCS)
TH-SK-16-G	TH-SK-16-B	TH-SK-16-LG	16 MM	13,0	27,0	28,0	100
TH-SK-20-G	TH-SK-20-B	TH-SK-20-LG	20 MM	13,0	31,5	32,0	100
TH-SK-25-G	TH-SK-25-B	TH-SK-25-LG	25 MM	13,0	35,0	37,0	100
TH-SK-32-G	TH-SK-32-B	TH-SK-32-LG	32 MM	14,0	42,0	42,0	50



TECHNICAL INFORMATION

MATERIAL : POLYPROPYLENE

STANDARD : EN 61286-21

PROTECTION CLASS : IP40

OPERATING TEMPERATURE: -25C / +60C

FLAMMABILITY CLASS : FLAME RETARDANT

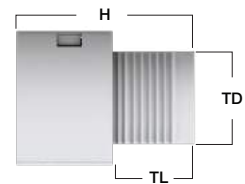
COLOR : GREY (RAL 7001) , BLACK (RAL 9005) , LIGHT GREY (RAL 7035)

ACCESORRIES : ADAPTORS , CLIPS

CERTIFICATE : CE, ROHS

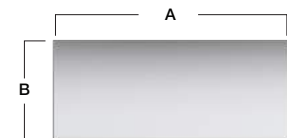
ADAPTOR

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	TD (MM)	TL (MM)	H (MM)	PACK QTY. (PCS)
TY-SR-16-G	TY-SR-16-B	TY-SR-16-LG	16 MM	16,0	12,0	42,0	100
TY-SR-20-G	TY-SR-20-B	TY-SR-20-LG	20 MM	20,0	13,0	43,0	100
TY-SR-25-G	TY-SR-25-B	TY-SR-25-LG	25 MM	25,0	13,0	43,0	100
TY-SR-32-G	TY-SR-32-B	TY-SR-32-LG	32 MM	32,0	14,0	44,0	50



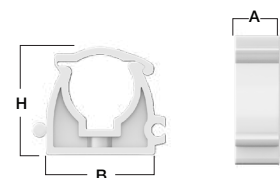
COUPLING

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	PACK QTY. (PCS)
TY-SF-16-G	TY-SF-16-B	TY-SF-16-LG	16 MM	80,0	19,0	100
TY-SF-20-G	TY-SF-20-B	TY-SF-20-LG	20 MM	80,0	23,0	100
TY-SF-25-G	TY-SF-25-B	TY-SF-25-LG	25 MM	80,0	28,0	100
TY-SF-32-G	TY-SF-32-B	TY-SF-32-LG	32 MM	80,0	36,0	50



CLIPS

GREY CODE	BLACK CODE	LIGHT GREY CODE	SIZE	A (MM)	B (MM)	H (MM)	PACK QTY. (PCS)
TY-SK-16-G	TY-SK-16-B	TY-SK-16-LG	16 MM	13,0	27,0	28,0	100
TY-SK-20-G	TY-SK-16-B	TY-SK-20-LG	20 MM	13,0	31,5	32,0	100
TY-SK-25-G	TY-SK-25-B	TY-SK-25-LG	25 MM	13,0	35,0	37,0	100
TH-SK-32-G	TY-SK-32-B	TY-SK-32-LG	32 MM	14,0	42,0	42,0	50



Cable Glands

Corrugated Plastic Conduits & Fittings

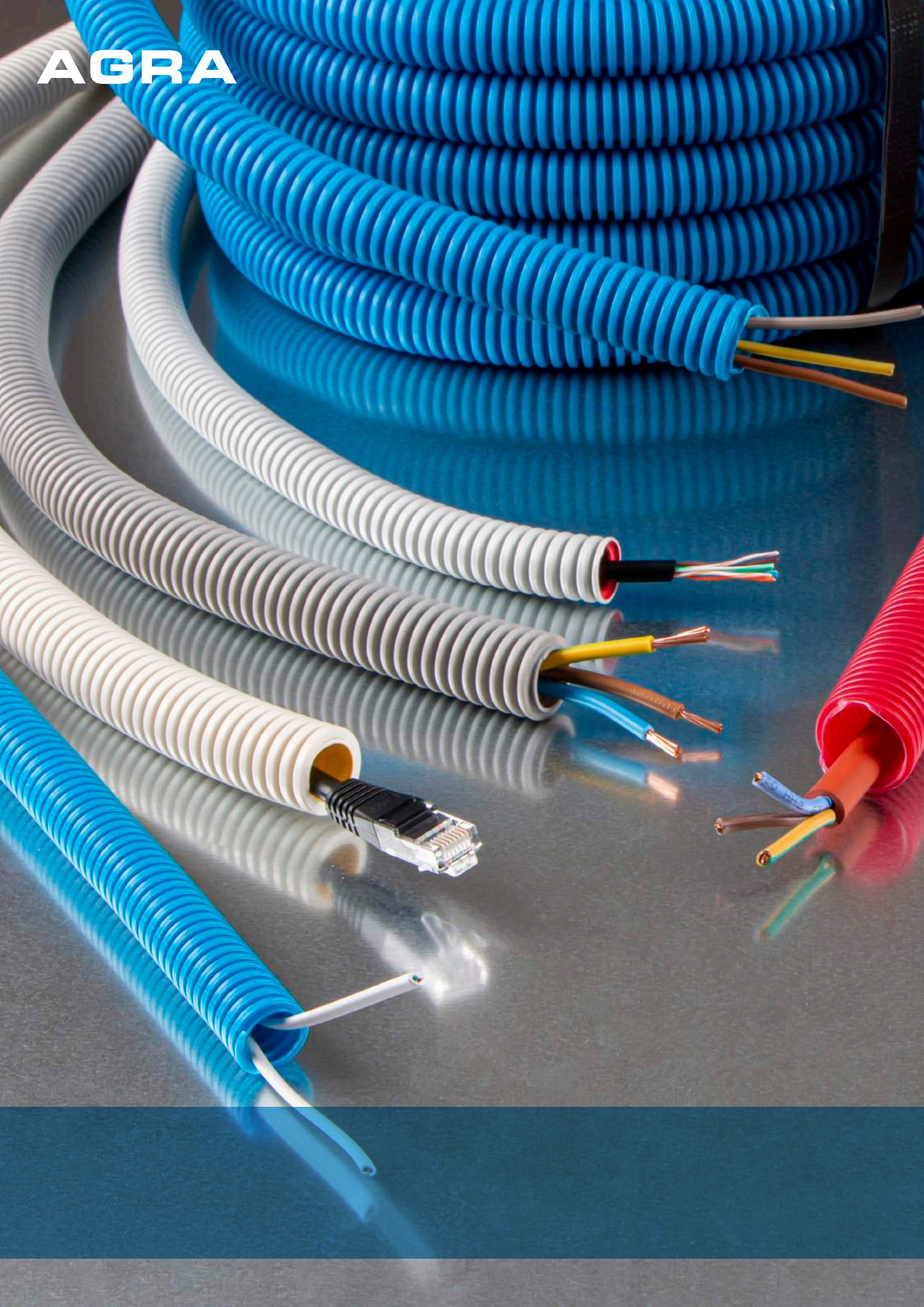
Flexible Steel Conduits & Fittings

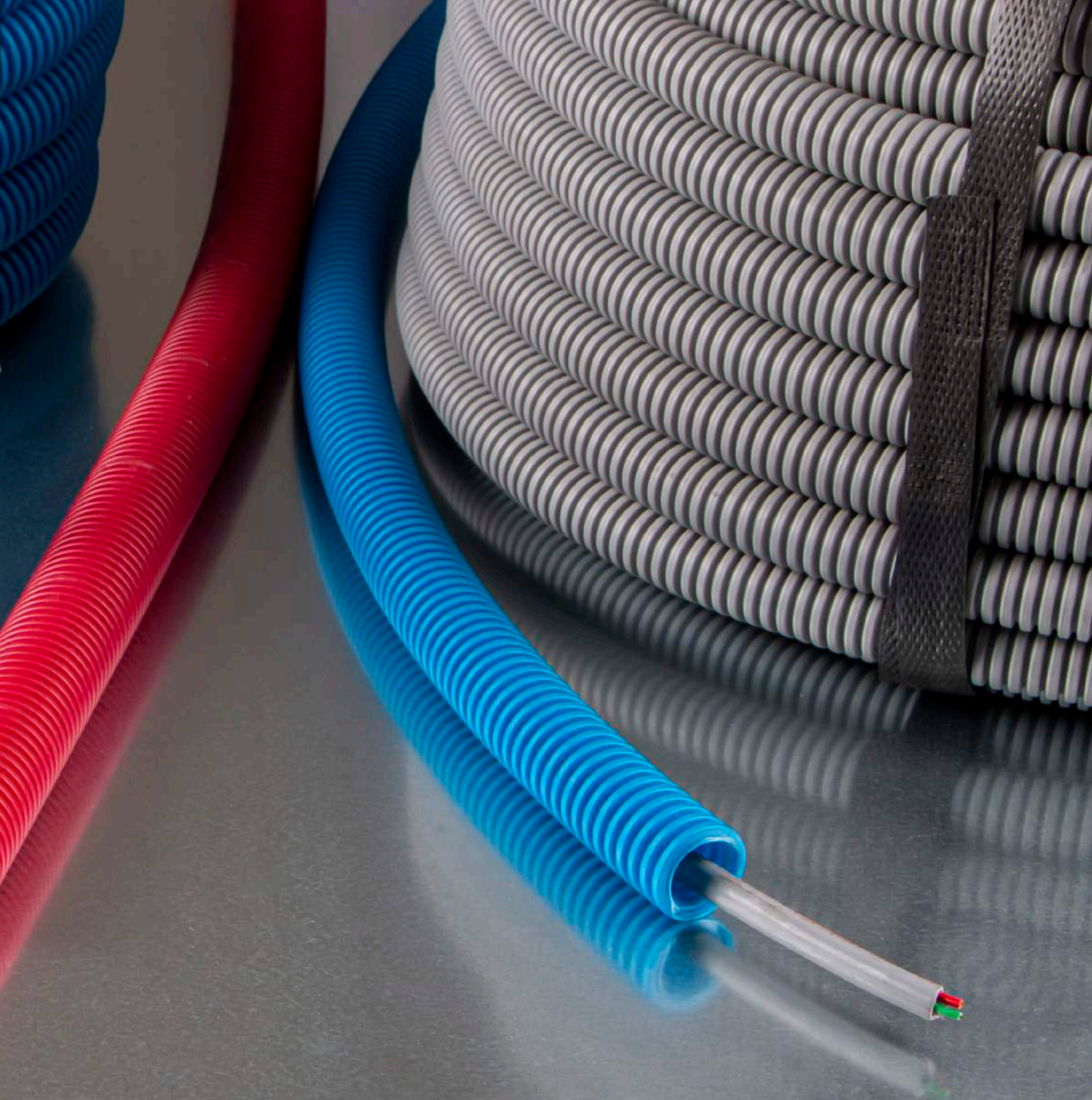
Residential Type Conduits & Fittings

Pre - Wired Conduits

Expandable Braided Sleeving

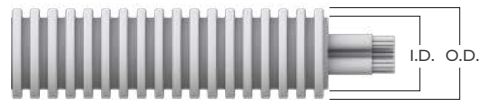
AGRA





PRE-WIRED CONDUITS

Pre Wired Conduit With Energy Cables Of Pvc Insulation & Solid Core



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE

STANDARD : EN 61386-22

PROTECTION CLASS : IP68

OPERATING TEMPERATURE : -25C / +95C

FLAMMABILITY CLASS :

COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.

COMPRESSION STRENGTH : 750 N

CERTIFICATE : CE, ROHS

CABLE

INSULATION : PVC

PERMISSIBLE OPERATING TEMPERATURE : 70 C

SHORT CIRCUIT TEMPERATURE : 160 C

TEST VOLTAGE (AC) : 2-2,5 KV

INSTALLATION TEMPERATURE MIN. : 5 C

MIN. BENDING RADIUS : 12XD

OPERATING VOLTAGE : 450/750 V

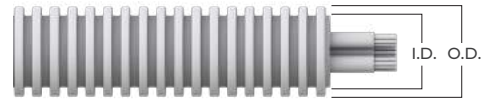
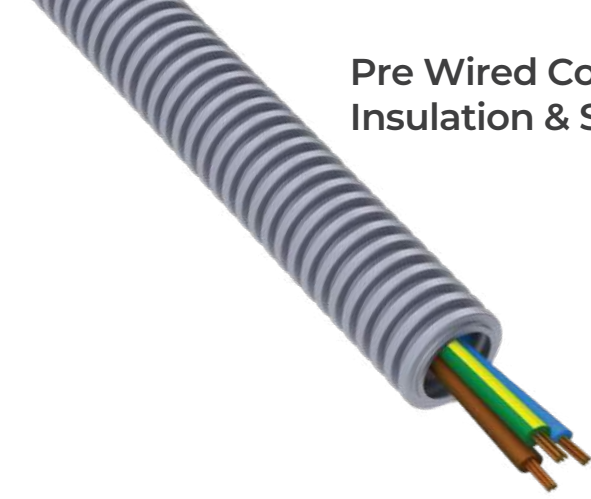
STANDARD: EN 50525-2-31

FLAME RETARDANCY COMPLIANCE: IEC 60332-1

ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	HARMONIZED CABLE CODE	CABLE INSULATION	CORE
PW-EK3G1,5 16 R25	M16	3*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK3G1,5 16 R50	M16	3*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK3G1,5 16 R100	M16	3*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK3G2,5 16 R25	M16	3*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK3G2,5 16 R50	M16	3*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK3G2,5 16 R100	M16	3*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK4G1,5 16 R25	M16	4*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK4G1,5 16 R50	M16	4*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK4G1,5 16 R100	M16	4*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G1,5 16 R25	M16	5*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G1,5 16 R50	M16	5*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G1,5 16 R100	M16	5*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G2,5 20 R25	M20	5*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G2,5 20 R50	M20	5*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK5G2,5 20 R100	M20	5*2,5	H07V-U	PVC	SINGLE SOLID
PW-EK6G1,5 16 R25	M16	6*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK6G1,5 16 R50	M16	6*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK6G1,5 16 R100	M16	6*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK7G1,5 20 R25	M20	7*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK7G1,5 20 R50	M20	7*1,5	H07V-U	PVC	SINGLE SOLID
PW-EK7G1,5 20 R100	M20	7*1,5	H07V-U	PVC	SINGLE SOLID

Pre Wired Conduit With Energy Cables Of Pvc Insulation & Stranded Copper



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE
STANDARD : EN 61386-22
PROTECTION CLASS : IP68
OPERATING TEMPERATURE : -25C / +95C
FLAMMABILITY CLASS : UL94 V2
COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.
COMPRESSION STRENGTH : 750 N
CERTIFICATE : CE, ROHS

CABLE

INSULATION : PVC
PERMISSIBLE OPERATING TEMPERATURE : 70 C
SHORT CIRCUIT TEMPERATURE : 160 C
TEST VOLTAGE (AC) : 2-2,5 KV
INSTALLATION TEMPERATURE MIN. : 5 C
MIN. BENDING RADIUS : 12XD
OPERATING VOLTAGE : 450/750 V
STANDARD: EN 50525-2-31
FLAME RETARDANCY COMPLIANCE: IEC 60332-1
ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	HARMONIZED CABLE CODE	CABLE INSULATION	CORE
PW-FK3G1,5 16 R25	M16	3*1,5	H07V-R	PVC	STRANDED
PW-FK3G1,5 16 R50	M16	3*1,5	H07V-R	PVC	STRANDED
PW-FK3G1,5 16 R100	M16	3*1,5	H07V-R	PVC	STRANDED
PW-FK3G2,5 16 R25	M16	3*2,5	H07V-R	PVC	STRANDED
PW-FK3G2,5 16 R50	M16	3*2,5	H07V-R	PVC	STRANDED
PW-FK3G2,5 16 R100	M16	3*2,5	H07V-R	PVC	STRANDED
PW-FK4G1,5 16 R25	M16	4*1,5	H07V-R	PVC	STRANDED
PW-FK4G1,5 16 R50	M16	4*1,5	H07V-R	PVC	STRANDED
PW-FK4G1,5 16 R100	M16	4*1,5	H07V-R	PVC	STRANDED
PW-FK5G1,5 16 R25	M16	5*1,5	H07V-R	PVC	STRANDED
PW-FK5G1,5 16 R50	M16	5*1,5	H07V-R	PVC	STRANDED
PW-FK5G1,5 16 R100	M16	5*1,5	H07V-R	PVC	STRANDED
PW-FK5G2,5 20 R25	M20	5*2,5	H07V-R	PVC	STRANDED
PW-FK5G2,5 20 R50	M20	5*2,5	H07V-R	PVC	STRANDED
PW-FK5G2,5 20 R100	M20	5*2,5	H07V-R	PVC	STRANDED
PW-FK6G1,5 16 R25	M16	6*1,5	H07V-R	PVC	STRANDED
PW-FK6G1,5 16 R50	M16	6*1,5	H07V-R	PVC	STRANDED
PW-FK6G1,5 16 R100	M16	6*1,5	H07V-R	PVC	STRANDED
PW-FK7G1,5 20 R25	M20	7*1,5	H07V-R	PVC	STRANDED
PW-FK7G1,5 20 R50	M20	7*1,5	H07V-R	PVC	STRANDED
PW-FK7G1,5 20 R100	M20	7*1,5	H07V-R	PVC	STRANDED
PW-RK1G6 16 R100	M16	1*6,0	H07V-R	PVC	STRANDED
PW-RK5G6 25 R50	M25	5*6,0	H07V-R	PVC	STRANDED

Pre Wired Conduit With Energy Cables Of Lszh Insulation & Solid Core



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE

STANDARD : EN 61386-2

PROTECTION CLASS : IP68

OPERATING TEMPERATURE : -25C / +95C

FLAMMABILITY CLASS : UL94 V2

COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.

COMPRESSION STRENGTH : 750 N

CERTIFICATE : CE, ROHS

CABLE

INSULATION : HFFR

PERMISSIBLE OPERATING TEMPERATURE : 70 C

SHORT CIRCUIT TEMPERATURE : 160 C

TEST VOLTAGE (AC) : 2-2,5 KV

INSTALLATION TEMPERATURE MIN. : 5 C

MIN. BENDING RADIUS : 12XD

OPERATING VOLTAGE : 450/750 V

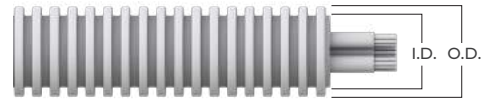
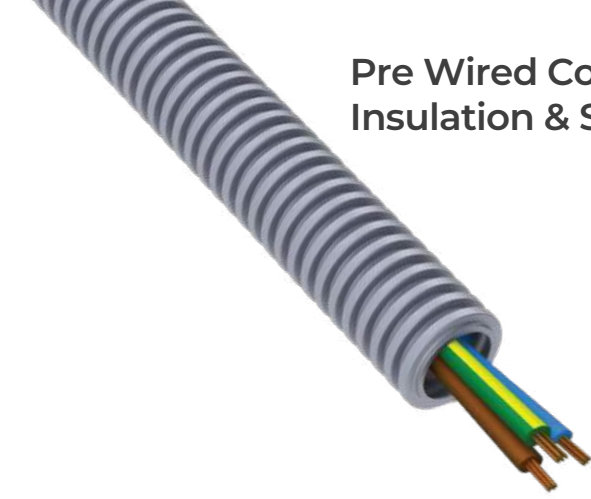
STANDARD: EN 50525-2-31

FLAME RETARDANCY COMPLIANCE: IEC 60332-1

ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	HARMONIZED CABLE CODE	CABLE INSULATION	CORE
PW-EQ3G1,5 16 R25	M16	3*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ3G1,5 16 R50	M16	3*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ3G1,5 16 R100	M16	3*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ3G2,5 16 R25	M16	3*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ3G2,5 16 R50	M16	3*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ3G2,5 16 R100	M16	3*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ4G1,5 16 R25	M16	4*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ4G1,5 16 R50	M16	4*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ4G1,5 16 R100	M16	4*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G1,5 16 R25	M16	5*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G1,5 16 R50	M16	5*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G1,5 16 R100	M16	5*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G2,5 20 R25	M20	5*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G2,5 20 R50	M20	5*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ5G2,5 20 R100	M20	5*2,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ6G1,5 16 R25	M16	6*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ6G1,5 16 R50	M16	6*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ6G1,5 16 R100	M16	6*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ7G1,5 20 R25	M20	7*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ7G1,5 20 R50	M20	7*1,5	H07Z1-U	HFFR	SINGLE SOLID
PW-EQ7G1,5 20 R100	M20	7*1,5	H07Z1-U	HFFR	SINGLE SOLID

Pre Wired Conduit With Energy Cables Of Lszh Insulation & Stranded Copper



TECHNICAL INFORMATION

CONDUIT

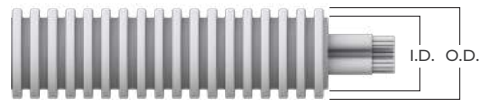
MATERIAL : POLYPROPYLENE HALOGEN FREE
STANDARD : EN 61386-22
PROTECTION CLASS : IP68
OPERATING TEMPERATURE : -25C / +95C
FLAMMABILITY CLASS : UL94 V2
COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.
COMPRESSION STRENGTH : 750 N
CERTIFICATE : CE, ROHS

CABLE

INSULATION : HFFR
PERMISSIBLE OPERATING TEMPERATURE : 70 C
SHORT CIRCUIT TEMPERATURE : 160 C
TEST VOLTAGE (AC) : 2-2,5 kV
INSTALLATION TEMPERATURE MIN. : 5 C
MIN. BENDING RADIUS : 12XD
OPERATING VOLTAGE : 450/750 V
STANDARD: EN 50525-2-3
FLAME RETARDANCY COMPLIANCE: IEC 60332-1
ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	HARMONIZED CABLE CODE	CABLE INSULATION	CORE
PW-FQ3G1,5 16 R25	M16	3*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ3G1,5 16 R50	M16	3*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ3G1,5 16 R100	M16	3*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ3G2,5 16 R25	M16	3*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ3G2,5 16 R50	M16	3*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ3G2,5 16 R100	M16	3*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ4G1,5 16 R25	M16	4*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ4G1,5 16 R50	M16	4*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ4G1,5 16 R100	M16	4*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G1,5 16 R25	M16	5*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G1,5 16 R50	M16	5*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G1,5 16 R100	M16	5*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G2,5 20 R25	M20	5*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G2,5 20 R50	M20	5*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ5G2,5 20 R100	M20	5*2,5	H07Z1-R	HFFR	STRANDED
PW-FQ6G1,5 16 R25	M16	6*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ6G1,5 16 R50	M16	6*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ6G1,5 16 R100	M16	6*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ7G1,5 20 R25	M20	7*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ7G1,5 20 R50	M20	7*1,5	H07Z1-R	HFFR	STRANDED
PW-FQ7G1,5 20 R100	M20	7*1,5	H07Z1-R	HFFR	STRANDED
PW-RQ1G6 16 R100	M16	1*6,0	H07Z1-R	HFFR	STRANDED
PW-RQ5G6 25 R50	M25	5*6,0	H07Z1-R	HFFR	STRANDED

Pre Wired Conduit With Telephone Cables Of Lszh Sheath



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE

STANDARD : EN 61386-2

PROTECTION CLASS : IP68

OPERATING TEMPERATURE : -25C / +95C

FLAMMABILITY CLASS : UL94 V2

COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.

COMPRESSION STRENGTH : 750 N

CERTIFICATE : CE, ROHS

CABLE

INSULATION : PE

SHEATH : HFFR

OPERATING TEMPERATURE : - 30 C - 70 C

TEST VOLTAGE (AC) : 1,0 KV

MIN. BENDING RADIUS : 10XD

OPERATING VOLTAGE : 300

HALOGEN FREE TEST : IEC 60754 - 1/2

FLAME RETARDANCY TEST : IEC 60332-1/2

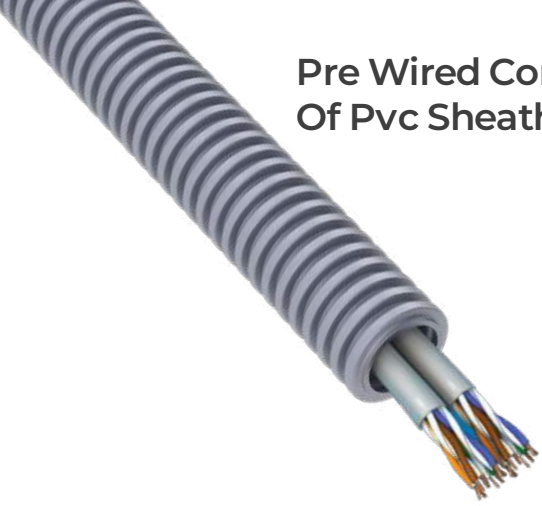
FLAME PROPAGATION TEST : IEC 60332-3/24

ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	CABLE INSULATION	SHEATH	WRAPPING	ROLL LENGTH (mt)*
PW-ELQXB 2X2X0,5 16 R100	M16	2X2X0,5	PE	HFFR	PES TAPE	100
PW-ELQXB 4X2X0,5 16 R100	M16	4X2X0,5	PE	HFFR	PES TAPE	100

* ALTERNATE ROLL LENGTH AVAILABLE

Pre Wired Conduit With Data Cables Of Pvc Sheath



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE

STANDARD : EN 61386-2

PROTECTION CLASS : IP68

OPERATING TEMPERATURE : -25C / +95C

FLAMMABILITY CLASS : UL94 V2

COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.

COMPRESSION STRENGTH : 750 N

CERTIFICATE : CE, ROHS

CABLE

INSULATION : PE

SHEATH : PVC

OPERATING TEMPERATURE : - 20 C - 60 C

TEST VOLTAGE (AC) : 1,2 KV

MIN. BENDING RADIUS : 8XD

OPERATING VOLTAGE : 250 V

FLAME RETARDANCY TEST : EN 60332-1/2

ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	CABLE INSULATION	SHEATH	ROLL LENGTH (mt)*
PW-UTP6 16 R100	M16	UTP6	PE	PVC	100
PW-2XUTP6 20 R100	M20	2XUTP6	PE	PVC	100
PW-FTP6 16 R100	M16	FTP CAT6	PE	PVC	100

* ALTERNATE ROLL LENGTH AVAILABLE

Pre Wired Conduit With Data Cables Of Lszh Sheath



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE
STANDARD : EN 61386-2
PROTECTION CLASS : IP68
OPERATING TEMPERATURE : -25C / +95C
FLAMMABILITY CLASS : UL94 V2
COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.
COMPRESSION STRENGTH : 750 N
CERTIFICATE : CE, ROHS

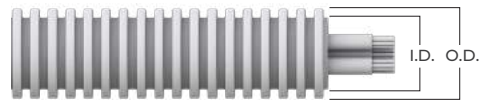
CABLE

INSULATION : PE
SHEATH : HFFR
OPERATING TEMPERATURE : - 20 C - 60 C
TEST VOLTAGE (AC) : 1,2 KV
MIN. BENDING RADIUS : 8XD
OPERATING VOLTAGE : 250 V
HALOGEN FREE TEST : IEC 60754 - 1/2
FLAME RETARDANCY TEST : IEC 60332 - 1/2
SMOKE DENSITY : IEC 61034 - 2
ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	CABLE INSULATION	SHEATH	ROLL LENGTH (mt)*
PW-UTP6 LS0H 16 R100	M16	UTP6	PE	PVC	100
PW-2XUTP6 LS0H 20 R100	M20	2XUTP6	PE	PVC	100
PW-FTP6 LS0H 16 R100	M16	FTP CAT6	PE	PVC	100

* ALTERNATE ROLL LENGTH AVAILABLE

Pre Wired Conduit With Antenna Cables Of Pvc Sheath



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE

STANDARD : EN 61386-2

PROTECTION CLASS : IP68

OPERATING TEMPERATURE : -25C / +95C

FLAMMABILITY CLASS : UL94 V2

COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.

COMPRESSION STRENGTH : 750 N

CERTIFICATE : CE, ROHS

CABLE

INSULATION : PE

SHEATH : PVC

OPERATING TEMPERATURE : - 40 C - 70 C

TEST VOLTAGE (AC) : 3 kV

MIN. BENDING RADIUS : 10XD

OPERATING VOLTAGE : 1,3 K V

FLAME RETARDANCY TEST : IEC 60332-1/2

ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm ²)	CABLE INSULATION	SHEATH	ROLL LENGTH (mt)*
PW-RG6 16 R100	M16	RG6	PE	PVC	100

* ALTERNATE ROLL LENGTH AVAILABLE

Pre Wired Conduit With Antenna Cables Of Lszh Sheath



TECHNICAL INFORMATION

CONDUIT

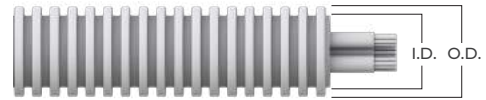
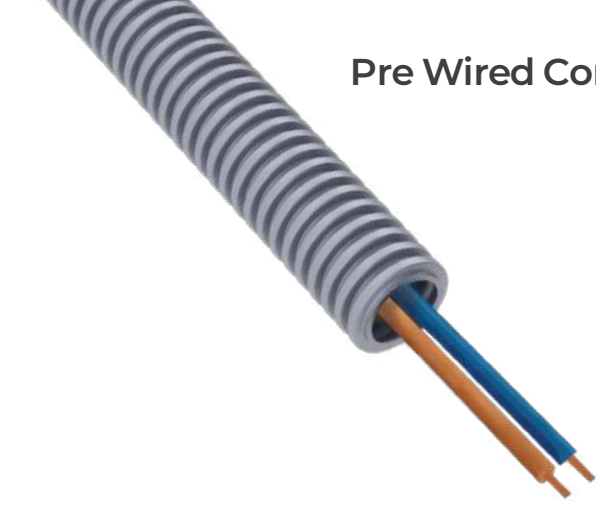
MATERIAL : POLYPROPYLENE HALOGEN FREE
STANDARD : EN 61386-2
PROTECTION CLASS : IP68
OPERATING TEMPERATURE : -25C / +95C
FLAMMABILITY CLASS : UL94 V2
COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.
COMPRESSION STRENGTH : 750 N
CERTIFICATE : CE, ROHS

CABLE

INSULATION : PE
SHEATH : HFFR
OPERATING TEMPERATURE : - 40 C - 70 C
TEST VOLTAGE (AC) : 3 kV
MIN. BENDING RADIUS : 10XD
OPERATING VOLTAGE : 1,3 kV
HALOGEN FREE TEST : IEC 60754 - 1/2
FLAME RETARDANCY TEST : IEC 60332 - 1/2
FLAME PROPAGATION TEST : IEC 60332 - 3/24
ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	CABLE INSULATION	SHEATH	ROLL LENGTH (mt)*
PW-RG6 LS0H 16 R100	M16	RG6	PE	HFFR	100

* ALTERNATE ROLL LENGTH AVAILABLE



TECHNICAL INFORMATION

CONDUIT

MATERIAL : POLYPROPYLENE HALOGEN FREE
STANDARD : EN 61386-2
PROTECTION CLASS : IP68
OPERATING TEMPERATURE : -25C / +95C
FLAMMABILITY CLASS : UL94 V2
COLOUR : GREY (RAL 7001), LIGHT GREY (RAL 7035), ALTERNATE COLOURS AVAIL.
COMPRESSION STRENGTH : 750 N
CERTIFICATE : CE, ROHS

CABLE

INSULATION : HFFR
SHEATH : HFFR
OPERATING TEMPERATURE : - 30 C - 70 C
TEST VOLTAGE (AC) : 1,0 KV
MIN. BENDING RADIUS : 10XD
OPERATING VOLTAGE : 300 V
HALOGEN FREE TEST : IEC 60754 - 1/2
FLAME RETARDANCY TEST : IEC 60332 - 1/2
FLAME PROPAGATION TEST : IEC 60332 - 3/24
ADDITIONAL FEATURE : LEAD FREE

PRODUCT CODE	CONDUIT SIZE	CABLE COUNT & DIMENSION (mm2)	CABLE INSULATION	SHEATH	ROLL LENGTH (mt)*
PW-ELQYB 2*1 16 R100	M16	ELQYB 2*1 mm2	HFFR	HFFR	100
PW-ELQUB 2*1 16 R100	M16	ELQUB 2*1 mm2	HFFR	HFFR	100
PW-ELQYB TWIN 2*1 16 R100	M16	ELQYB TWIN 2*1	HFFR	HFFR	100

* ALTERNATE ROLL LENGTH AVAILABLE

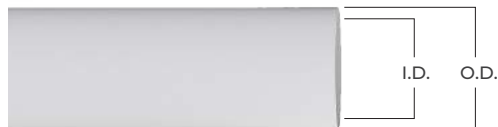
AGRA





EXPANDABLE BRAIDED

SLEEVINGS



TECHNICAL INFORMATION

MATERIAL : POLYESTER (PET)

MONOFIL DIA. : 0,22 MM , 0,25 MM

STANDARD : DIN 5510

CERTIFICATE : CE, ROHS

OPERATING TEMPERATURE: -50°C / +120°C (SHORT TERM +150C)

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

FLAMMABILITY CLASS : UL94 HB

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
| PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE |
SOLVENT AND ACID RESISTANT | UL 94 HB FLAME RETARDANCY
| HIGH MECHANICAL STRENGTH | EASY INSTALLATION | UV
RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	HOSE DIA.	MIN. EXPANSION DIA. (MM)	MAX. EXPANSION DIA. (MM)	REEL LENGTH (M)
AGR-5-S	AGR-5-G	5	3,0	10,0	100
AGR-8-S	AGR-8-G	8	4,0	13,0	100
AGR-10-S	AGR-10-G	10	5,0	16,0	100
AGR-12-S	AGR-12-G	12	7,0	19,0	100
AGR-15-S	AGR-15-G	15	10,0	25,0	100
AGR-20-S	AGR-20-G	20	13,0	30,0	100
AGR-25-S	AGR-25-G	25	16,0	38,0	50
AGR-30-S	AGR-30-G	30	19,0	40,0	50
AGR-40-S	AGR-40-G	40	31,0	55,0	50
AGR-50-S	AGR-50-G	50	40,0	68,0	50



TECHNICAL INFORMATION

MATERIAL : POLYESTER (PET) V0

MONOFIL DIA. : 0,22 MM , 0,25 MM

STANDARD : DIN 5510

CERTIFICATE : CE, ROHS

OPERATING TEMPERATURE: -50°C / +120°C (SHORT TERM +150C)

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

FLAMMABILITY CLASS : UL94 V0

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
| PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE |
SOLVENT AND ACID RESISTANT | UL 94 V0 FLAME RETARDANCY
| SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	HOSE DIA.	MIN. EXPANSION DIA. (MM)	MAX. EXPANSION DIA. (MM)	REEL LENGTH (M)
AGRV0-5-S	AGRV0-5-G	5	3,0	10,0	100
AGRV0-8-S	AGRV0-8-G	8	4,0	13,0	100
AGRV0-10-S	AGRV0-10-G	10	5,0	16,0	100
AGRV0-12-S	AGRV0-12-G	12	7,0	19,0	100
AGRV0-15-S	AGRV0-15-G	15	10,0	25,0	100
AGRV0-20-S	AGRV0-20-G	20	13,0	30,0	100
AGRV0-25-S	AGRV0-25-G	25	16,0	38,0	50
AGRV0-30-S	AGRV0-30-G	30	19,0	40,0	50
AGRV0-40-S	AGRV0-40-G	40	31,0	55,0	50
AGRV0-50-S	AGRV0-50-G	50	40,0	68,0	50



TECHNICAL INFORMATION

MATERIAL : SPECIAL MATERIAL

MONOFIL DIA. : 0,22 MM , 0,25 MM

STANDARD : DIN 5510, EN 45545-2 (HL1 / HL2 / HL3)

CERTIFICATE : CE, ROHS

OPERATING TEMPERATURE: -50°C / +120°C (SHORT TERM +150C)

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

FLAMMABILITY CLASS : UL94 V0

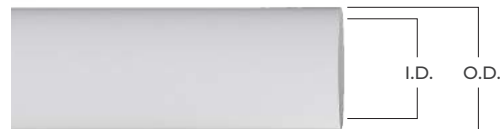
FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
| PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE |
SOLVENT AND ACID RESISTANT | UL 94 V0 FLAME RETARDANCY
| SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	HOSE DIA.	MIN. EXPANSION DIA. (MM)	MAX. EXPANSION DIA. (MM)	REEL LENGTH (M)
AGRFR-5-S	AGRFR-5-G	5	3,0	10,0	100
AGRFR-8-S	AGRFR-8-G	8	4,0	13,0	100
AGRFR-10-S	AGRFR-10-G	10	5,0	16,0	100
AGRFR-12-S	AGRFR-12-G	12	7,0	19,0	100
AGRFR-15-S	AGRFR-15-G	15	10,0	25,0	100
AGRFR-20-S	AGRFR-20-G	20	13,0	30,0	100
AGRFR-25-S	AGRFR-25-G	25	16,0	38,0	50
AGRFR-30-S	AGRFR-30-G	30	19,0	40,0	50
AGRFR-40-S	AGRFR-40-G	40	31,0	55,0	50
AGRFR-50-S	AGRFR-50-G	50	40,0	68,0	50



TECHNICAL INFORMATION

MATERIAL : POLYAMIDE

MONOFIL DIA. : 0,22 MM , 0,25 MM

STANDARD : DIN 5510, EN 45545-2 (HL1 / HL2 / HL3)

CERTIFICATE : CE, ROHS

OPERATING TEMPERATURE: -40°C / +120°C (SHORT TERM +150C)

COLOR : GREY (RAL 7031) , BLACK (RAL 9011)

FLAMMABILITY CLASS : UL94 V2

FEATURES

BEST GRADE MATERIAL | HALOGEN FREE | SULPHUR FREE
| PHOSPHORUS FREE | ABRASION RESISTANT | BENZINE |
SOLVENT AND ACID RESISTANT | UL 94 V2 FLAME RETARDANCY
| SELF-EXTINGUISH | HIGH MECHANICAL STRENGTH | EASY
INSTALLATION | UV RESISTANT (BLACK COLOUR)

APPLICATIONS

MACHINE INDUSTRY | AUTOMATION SYSTEMS |
AUTOMOTIVE | SOLAR SYSTEMS | CONSTRUCTION |
ROBOT APPLICATIONS | SHIP INDUSTRY

BLACK CODE	GREY CODE	HOSE DIA.	MIN. EXPANSION DIA. (MM)	MAX. EXPANSION DIA. (MM)	REEL LENGTH (M)
AGRP-5-S	AGRP-5-G	5	3,0	10,0	100
AGRP-8-S	AGRP-8-G	8	4,0	13,0	100
AGRP-10-S	AGRP-10-G	10	5,0	16,0	100
AGRP-12-S	AGRP-12-G	12	7,0	19,0	100
AGRP-15-S	AGRP-15-G	15	10,0	25,0	100
AGRP-20-S	AGRP-20-G	20	13,0	30,0	100
AGRP-25-S	AGRP-25-G	25	16,0	38,0	50
AGRP-30-S	AGRP-30-G	30	19,0	40,0	50
AGRP-40-S	AGRP-40-G	40	31,0	55,0	50
AGRP-50-S	AGRP-50-G	50	40,0	68,0	50

STANDARDS



CABLE GLANDS ARE MANUFACTURED TO EN 62444

CORRUGATED PLASTIC CONDUITS AND FITTINGS MANUFACTURED TO EN 61386-1

FLEXIBLE STEEL CONDUITS AND FITTINGS MANUFACTURED TO EN 61386-1

RESIDENTIAL TYPE CONDUIT AND FITTINGS MANUFACTURED TO EN 61386-1

TESTING



Our products are tested according to related standards in house during process. Special tests are made externally by authorized and accredited laboratories.



Thread Standards

Metric			
Standard thread conforming to EN60423			
Thread size	External thread outside diameter(mm)	Internal thread inside diameter(mm)	Pitch (mm)
M12	12.0	10.4	1.5
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5
M63	63.0	61.4	1.5
M75	75.0	73.4	1.5

PF / Gas			
Japanese conduit thread conforming to JIS B 0202			
Thread size	External thread outside diameter(mm)	Internal thread inside diameter(mm)	Pitch (mm)
1/2	21.0	18.6	1.81
3/4	26.4	24.1	1.81
1	33.3	30.3	2.31
1 1/4	41.9	39.0	2.31
1 1/2	47.8	44.8	2.31
2	59.6	56.7	2.31

NPT

American taper pipe thread conforming to ANS/ASME B1.20.1-1983

Thread size (inches)	External thread outside diameter(mm)	Pitch (mm)
3/8	16.7	1.14
1/2	21.0	1.81
3/4	26.4	1.81
1	33.3	2.21
1 1/4	41.9	2.21
1 1/2	47.8	2.21
2	59.6	2.21

PG

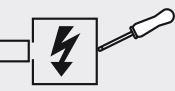
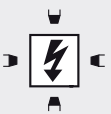
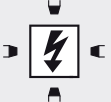
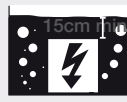
German standard thread conforming to DIN40430

Thread size	External thread outside diameter(mm)	Internal thread inside diameter(mm)	Pitch (mm)
PG7	12.5	11.3	1.27
PG9	15.2	13.9	1.41
PG11	18.6	17.3	1.41
PG13.5	20.4	19.1	1.41
PG16	22.5	21.2	1.41
PG21	28.3	26.8	1.59
PG29	37.0	35.5	1.59
PG36	47.0	45.5	1.59
PG42	54.0	52.5	1.59
PG48	59.3	57.8	1.59

Technical Information

IP Rating Chart

The IP Code (or Ingress Protection Rating, sometimes also interpreted as International Protection Rating) consists of the letters IP followed by two digits.

First Numeral			Second Numeral		
Protection against the ingress of solid particles			Protection against the harmful ingress of water		
IP	Requirements	Example	IP	Requirements	Example
0	No protection		0	No protection	
1	Full penetration of 50mm diameter sphere not allowed. Contact with hazardous parts not permitted.		1	Protected against vertically falling drops of water. Limited ingress permitted.	
2	Full penetration of 12.5 mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.		2	Protected against vertically falling drops of water with the enclosure tilted 15° from the vertical. Limited ingress permitted.	
3	The access probe of 2.5 mm diameter shall not penetrate.		3	Protected against sprays to 60° from the vertical. Limited ingress permitted.	
4	The access probe of 1.0 mm diameter shall not penetrate.		4	Protected against water splashed from all directions. Limited ingress permitted.	
5	Limited ingress of dust permitted (no harmful deposit).		5	Protected against jets of water. Limited ingress permitted.	
6	Totally protected against the ingress of dust.		6	Protected against strong jets of water. Limited ingress permitted.	
			7	Protected against the effects of immersion between 15cm and 1m.	
			8	Protected against long periods of immersion under pressure.	

This Chart is intended to be read in conjunction with AS60529. Degrees of protection provided by enclosures for electrical equipment (IP Code). The symbols shown on this chart are for explanatory purposes only. They are not part of the IP Code and must not be used instead of the Code.

Notes

[illegible]

AGRA

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