














PRODUCT INDEX

Composite Tube

Manufactured from polyethylene/aluminium composite tube, this unique stay-put tube can be used to replace flexible tubing in pneumatic instrument control lines.

	Series	Page		Series	Page
	Traction Rail Industry Conduit	PCSG 366	IP68 CONNECTORS		
	VAML - Flexible Medium Duty (-40°C to 105°C; Short term to 150°C)	VAMLG 366		Straight Metric Male Thread Connector	*VNV-M 370
FOOD & HYGIENE INDUSTRY CONDUIT			ROBOTIC CONNECTORS AND ACCESSORIES		
	GP - Heavy Duty Smooth Reinforced PVC (-20°C - +70°C)	GP 367		BSH Tube Clamp	BSH-R 370
	IP67 - Straight Male Thread Connector	GLM 367		BKE Ball Joint Termination	BKE 370
ROBOTICS CONDUIT			For Technical Data please see Section 9		
	PUJE - Highly Flexible, Medium Duty (-60°C to 50°C)	PUET 367			
	PIS - Highly Flexible Medium Duty (-50°C to 95°C; Short term to 150°C)	PIST 367			
MARINE CONDUIT					
	VAML - Flexible Medium Duty (-40°C to 105°C; Short term to 150°C)	VAMLG 368			
	PIS - Highly Flexible Medium Duty (-50°C to 95°C; Short term to 150°C)	PIST 368			
PLATFORM/ACCESS LIFTS CONDUIT					
	CYL - Very Flexible Medium Duty (-40°C to 105°C; Short term to 150°C)	CYLT 369			
IP66 CONNECTORS					
	Straight Metric Male Thread Connector	*VND 369			

Traction Rail Industry Conduit

PCS - Highly Flexible Heavy Duty
(-50°C to 105°C; Short term to 150°C)



3.
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PCS is specially developed for external applications in the traction industry. Due to the excellent basic properties of the specially modified material this conduit type is especially suitable for applications exposed to constantly intensive sunlight (UV). This product is further characterised by its increased chemical resistance.

Features

- Ingress Protection: Up to IP68 (EN60529) with PMAFix connector and seal
- Construction: Very flexible, heavy wall, specially modified Polyamide 12
- Highly UV resistant and outstanding cold impact resistance
- Halogen Free, self-extinguishing and SNCF approvals - see technical section

Part Number	Metric Size	ID	OD	Coil Lengths Metres
PCSG-17*	20mm	15.2	21.2	10/25/50
PCSG-23*	25mm	22	28.5	10/25/50
PCSG-29*	32mm	27.7	34.4	10/25/50

Other sizes available ex-stock 10mm, 12mm, 16mm, 40mm and 50mm.
When ordering replace * with B = Black and S = Grey

VAML - Flexible Medium Duty
(-40°C to 105°C; Short term to 150°C)



VAML offers excellent flame properties and is therefore specially used for applications in the passenger areas of railway vehicles or in traction tunnels as well as underground stations. This product is further used in general machine building and construction. The VAML product is additionally characterised by its good flexibility and weather resistance.

Features

- Ingress protection: Up to IP68 (EN 60529) with PMAFix connector and seal
- Construction: Flexible, Heavy wall, specially modified Polyamide 6 with outstanding self extinguishing and flammability characteristics
- Halogen Free, self extinguishing, resistance to Flame Propagation, Limited Oxygen Index SNCF Approval - for full details see technical section
- LUL Material compliance, DB compliance

Part Number	Metric Size	ID	OD	Coil Lengths Metres
VAMLG-17*	20mm	15.3	21.2	10/25/50
VAMLG-23*	25mm	22.6	28.5	10/25/50
VAMLG-29*	32mm	27.6	34.4	10/25/50

Other sizes available ex-stock 10mm, 12mm, 16mm, 40mm and 50mm.
When ordering replace * with B = Black and S = Grey

FOR ALL TRACTION CONDUITS PIRTEK RECOMMEND USING IP68 CONNECTORS FOR OUTDOOR APPLICATION TO ENSURE THE HIGHEST POSSIBLE IP RATING IS ACHIEVED

Food & Hygiene Industry Conduit



GP - Heavy Duty Smooth Reinforced PVC (-20°C to 70°C)



A heavy duty conduit with a smooth inner and outer wall made of flexible PVC.

Features

- Will resist years of use without wearing
- High mechanical resistance and compression strength
- Excellent resistance to atmospheric agents, oils and salt air
- Self extinguishing according to UL 94 VO
- Black RAL9011 / Grey RAL7035

Part Number	Metric Size	ID	OD	Coil Lengths Metres
GP16*	20mm	16	20.6	30
GP22*	25mm	22	27.2	30
GP28*	32mm	28	33.5	30

When ordering replace * with N = Black and G = Grey

IP67 - Straight Male Thread Connector



This fitting can be used as a revolving or a fixed male connector IP67 Liquid Tight Self extinguishing according to UL94 VO.

Part Number	Metric Size	Pack Size
GLM* 16M20	20mm	50
GLM* 22M25	25mm	50
GLM* 28M32	32mm	50

When ordering replace * with N = Black and G = Grey

For a full range of fittings and accessories please contact your local Pirtek Centre.

Robotics Conduit



PUE - Highly Flexible, Medium Duty (-60°C to 50°C)



The Pirtek conduit type PUE offers a high degree of flexibility and abrasion resistant properties. These products are specially developed for robotics and excel through their increased chafing resistance. Due to the low stiffness this conduit type is also used in switch cupboard construction.

Features

- Construction: Highly flexible, medium wall, specially modified Polyurethane
- Halogen and cadmium free
- Excellent chafing properties
- Available in black only

Part Number	Metric Size	ID	OD	Coil Lengths Metres
PUET-17B	20mm	16	21.2	10/25/50
PUET-23B	25mm	22.4	28.5	10/25/50
PUET-29B	32mm	28.8	34.5	10/25/50

Other sizes also available ex-stock 16mm, 40mm, 50mm and also jumbo size 68mm & 80mm

PIS - Highly Flexible Medium Duty (-50°C to 95°C; Short term to 150°C)



The PIS product is preferably used in robotics and flexible tube movements in general machine building. Due to the excellent basic properties of the specially modified material these products are also suitable for applications exposed to constantly intensive sunlight (UV).

Features

- Construction: Highly flexible, medium wall, specially modified Polyamide 12
- Halogen Free
- Highly UV resistant
- Resistant to Flame Propagation: UL94-V2
- Self-extinguishing: according to EN 50086-1 (BS6099 Part 1/IEC 614-1)
- Available in Black and Grey

Part Number	Metric Size	ID	OD	Coil Lengths Metres
PIST-17*	20mm	16.4	21.1	10/25/50
PIST-23*	25mm	22.6	28.4	10/25/50
PIST-29*	32mm	29	34.3	10/25/50

Other sizes also available ex-stock 12mm, 16mm, 40mm and 50mm
When ordering replace * with B = Black and S = Grey

Marine Conduit



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VAML - Flexible Medium Duty
(-40°C to 105°C;
Short term to 150°C)



VAML offers excellent flame properties and is therefore specially used for marine applications. This product is additionally characterised by its good flexibility and weather resistance.

Features

- Ingress protection: Up to IP68 (EN 60529) with PMAFix connector and seal
- Construction: Flexible, Heavy wall, specially modified Polyamide 6 with outstanding self extinguishing and flammability characteristics
- Halogen free, self extinguishing, resistance to flame propagation, Limited Oxygen Index SNCF Approval - for full details see technical section
- LUL material compliance, DB compliance

Part Number	Metric Size	ID	OD	Coil Lengths Metres
VAMLG-17*	20mm	15.3	21.2	10/25/50
VAMLG-23*	25mm	22.6	28.5	10/25/50
VAMLG-29*	32mm	27.9	34.4	10/25/50

Other sizes available ex-stock 10mm, 12mm, 16mm, 40mm and 50mm
When ordering replace * with B=Black and S=Grey

PIS - Highly Flexible Medium Duty
(-50°C to 95°C; Short term to 150°C)



These products are preferably used in outdoor applications. Due to the excellent basic properties of the specially modified material, these products are also suitable for applications exposed to constantly intensive sunlight (UV).

Features

- Construction: Highly flexible, medium wall, specially modified Polyamide 12
- Halogen free
- Highly UV resistant
- Resistant to Flame Propagation: UL94-V2
- Self-extinguishing: according to EN 50086-1 (BS6099 Part 1 / IEC 614-1)
- Available in Black and Grey

Part Number	Metric Size	ID	OD	Coil Lengths Metres
PIST-17*	20mm	16.4	21.1	10/25/50
PIST-23*	25mm	22.6	28.4	10/25/50
PIST-29*	32mm	29	34.3	10/25/50

Other sizes also available ex-stock 12mm, 16mm, 40mm and 50mm
When ordering replace * with B = Black and S = Grey

Platform/Access Lifts Conduit



**CYL - Very Flexible
Medium Duty**
(-40°C to 105°C;
Short term to 150°C)



The Pirtek economy conduit type CYL is suitable for applications within the general machine building and installation industries. This product is characterised by its applicability at low temperatures and good weather resistance.

Features

- Ingress Protection up to IP68 (EN 60529) with PMAFix connector and seal
- Construction: Very flexible, medium wall, specially modified Polyamide 6
- Halogen free
- Self-extinguishing according to EN 50086-1 (BS6099 Part 1/IEC 614-1)
- Approval: UL Recognition
- Available in Black and Grey

Part Number	Metric Size	ID	OD	Coil Lengths Metres
CYLT-07*	10mm	6.2	10	10/25/50
CYLT-10*	12mm	9.6	13	10/25/50
CYLT-12*	16mm	12	15.8	10/25/50
CYLT-17*	20mm	16.2	21.2	10/25/50
CYLT-23*	25mm	22.6	28.5	10/25/50
CYLT-29*	32mm	29	34.5	10/25/50
CYLT-36*	40mm	36.5	42.5	10/30
CYLT-48*	50mm	47.5	54.5	10/30

When ordering replace * with B = Black and S = Grey

IP66 Connectors



Features

- One piece fitting, sealing by cone
- Easy "push in" installation
- Pre-installed safety clip AFN2
- Fits any type of conduit profile (T and G)
- Excellent pull out strength
- Re-opening for safety reasons only possible with a screwdriver



Straight Metric Male Thread connector

Part Number	Metric Thread	Fit to Metric Conduit Size	Pack Quantity
*VND-M160GT	M16 x 1.5	12	10/50
*VND-M162GT	M16 x 1.5	16	20/100
*VND-M202GT	M20 x 1.5	16	20/100
*VND-M207GT	M20 x 1.5	20	20/100
*VND-M253GT	M25 x 1.5	25	10/50
*VND-M329GT	M32 x 1.5	32	4/20
*VND-M406GT	M40 x 1.5	40	2/10
*VND-M508GT	M50 x 1.5	50	2/10

*Replace B=Black or S=Grey

ALSO AVAILABLE IN THIS RANGE:

- 45° degree elbow connectors
- 90° metric male thread connectors
- 90° curved male thread connectors
- 90° flange connectors
- Distribution fittings

IP68 Connectors



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Features

- High sealing through additional seal cap
- For highest dynamic applications
- Fits any type of conduit (T and G)
- Excellent pull-out strength
- Re-opening for safety reasons only possible with screwdriver



Straight Metric Male Thread Connector

Part Number	Metric Thread	Fit to Metric Conduit Size	Pack Quantity
*VNV-M162-10	M16 x 1.5	16	20/100
*VNV-M207-10	M20 x 1.5	20	20/100
*VNV-M253-11	M25 x 1.5	25	10/50
*VNV-M329-13	M32 x 1.5	32	4/20
*VNV-M406-13	M40 x 1.5	40	2/10
*VNV-M508-14	M50 x 1.5	50	2/10

*Replace N=Black or M=Grey

ALSO AVAILABLE IN THIS RANGE:

- 45° Metric male thread connectors
- 90° metric male thread connectors
- 90° curved metric male thread connectors
- 90° flange connectors
- Distribution fittings
- Fittings with metal threads

Robotic Connectors and Accessories

BSH Tube Clamp



Part Number	Fits with GN Half-shell	Fits to Metric Conduit	Conduit Profile	Dimensions(mm) Lgth/Hght/Wdth
BSH-R29	BGN-S29T	32	T	71.0/67.0/26.0
BSH-R48*	BGN-R36GT/48	40	T	99.0/96.0/26.0
BSH-R48	BGN-S48T	50	T	99.0/96.0/26.0
BSH-R70**	BGN-R56G/70	68	G	149.0/144.0/40.0
BSH-R70	BGN-R70G	80	G	149.0/144.0/40.0

* with half-shell reduction to size 36

** with half-shell reduction to size 56

BKE Ball Joint Termination



Part Number	Fits to Metric Conduit Size	Outside Diameter	Dimension Length
BKE-R70G	80	122.0mm	128.0mm

ALSO AVAILABLE IN THIS RANGE:

- Tube clamps and half shells
- Ball joint sleeves and ball joint termination
- Abrasion protection sleeves

For the complete automation/robotic range please contact your local Pirtek Centre.