














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#### 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.

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## Traction Rail Industry Conduit

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



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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
<b>PCSG-17*</b>	20mm	15.2	21.2	10/25/50
<b>PCSG-23*</b>	25mm	22	28.5	10/25/50
<b>PCSG-29*</b>	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 Polyimide 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
<b>VAMLG-17*</b>	20mm	15.3	21.2	10/25/50
<b>VAMLG-23*</b>	25mm	22.6	28.5	10/25/50
<b>VAMLG-29*</b>	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
<b>GP16*</b>	20mm	16	20.6	30
<b>GP22*</b>	25mm	22	27.2	30
<b>GP28*</b>	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
<b>GLM* 16M20</b>	20mm	50
<b>GLM* 22M25</b>	25mm	50
<b>GLM* 28M32</b>	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
<b>PUET-17B</b>	20mm	16	21.2	10/25/50
<b>PUET-23B</b>	25mm	22.4	28.5	10/25/50
<b>PUET-29B</b>	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
<b>PIST-17*</b>	20mm	16.4	21.1	10/25/50
<b>PIST-23*</b>	25mm	22.6	28.4	10/25/50
<b>PIST-29*</b>	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
<b>VAMLG-17*</b>	20mm	15.3	21.2	10/25/50
<b>VAMLG-23*</b>	25mm	22.6	28.5	10/25/50
<b>VAMLG-29*</b>	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
<b>PIST-17*</b>	20mm	16.4	21.1	10/25/50
<b>PIST-23*</b>	25mm	22.6	28.4	10/25/50
<b>PIST-29*</b>	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
<b>CYLT-07*</b>	10mm	6.2	10	10/25/50
<b>CYLT-10*</b>	12mm	9.6	13	10/25/50
<b>CYLT-12*</b>	16mm	12	15.8	10/25/50
<b>CYLT-17*</b>	20mm	16.2	21.2	10/25/50
<b>CYLT-23*</b>	25mm	22.6	28.5	10/25/50
<b>CYLT-29*</b>	32mm	29	34.5	10/25/50
<b>CYLT-36*</b>	40mm	36.5	42.5	10/30
<b>CYLT-48*</b>	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
<b>*VND-M160GT</b>	M16 x 1.5	12	10/50
<b>*VND-M162GT</b>	M16 x 1.5	16	20/100
<b>*VND-M202GT</b>	M20 x 1.5	16	20/100
<b>*VND-M207GT</b>	M20 x 1.5	20	20/100
<b>*VND-M253GT</b>	M25 x 1.5	25	10/50
<b>*VND-M329GT</b>	M32 x 1.5	32	4/20
<b>*VND-M406GT</b>	M40 x 1.5	40	2/10
<b>*VND-M508GT</b>	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
* <b>VNV-M162-10</b>	M16 x 1.5	16	20/100
* <b>VNV-M207-10</b>	M20 x 1.5	20	20/100
* <b>VNV-M253-11</b>	M25 x 1.5	25	10/50
* <b>VNV-M329-13</b>	M32 x 1.5	32	4/20
* <b>VNV-M406-13</b>	M40 x 1.5	40	2/10
* <b>VNV-M508-14</b>	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
<b>BSH-R29</b>	BGN-S29T	32	T	71.0/67.0/26.0
<b>BSH-R48*</b>	BGN-R36GT/48	40	T	99.0/96.0/26.0
<b>BSH-R48</b>	BGN-S48T	50	T	99.0/96.0/26.0
<b>BSH-R70**</b>	BGN-R56G/70	68	G	149.0/144.0/40.0
<b>BSH-R70</b>	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
<b>BKE-R70G</b>	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.