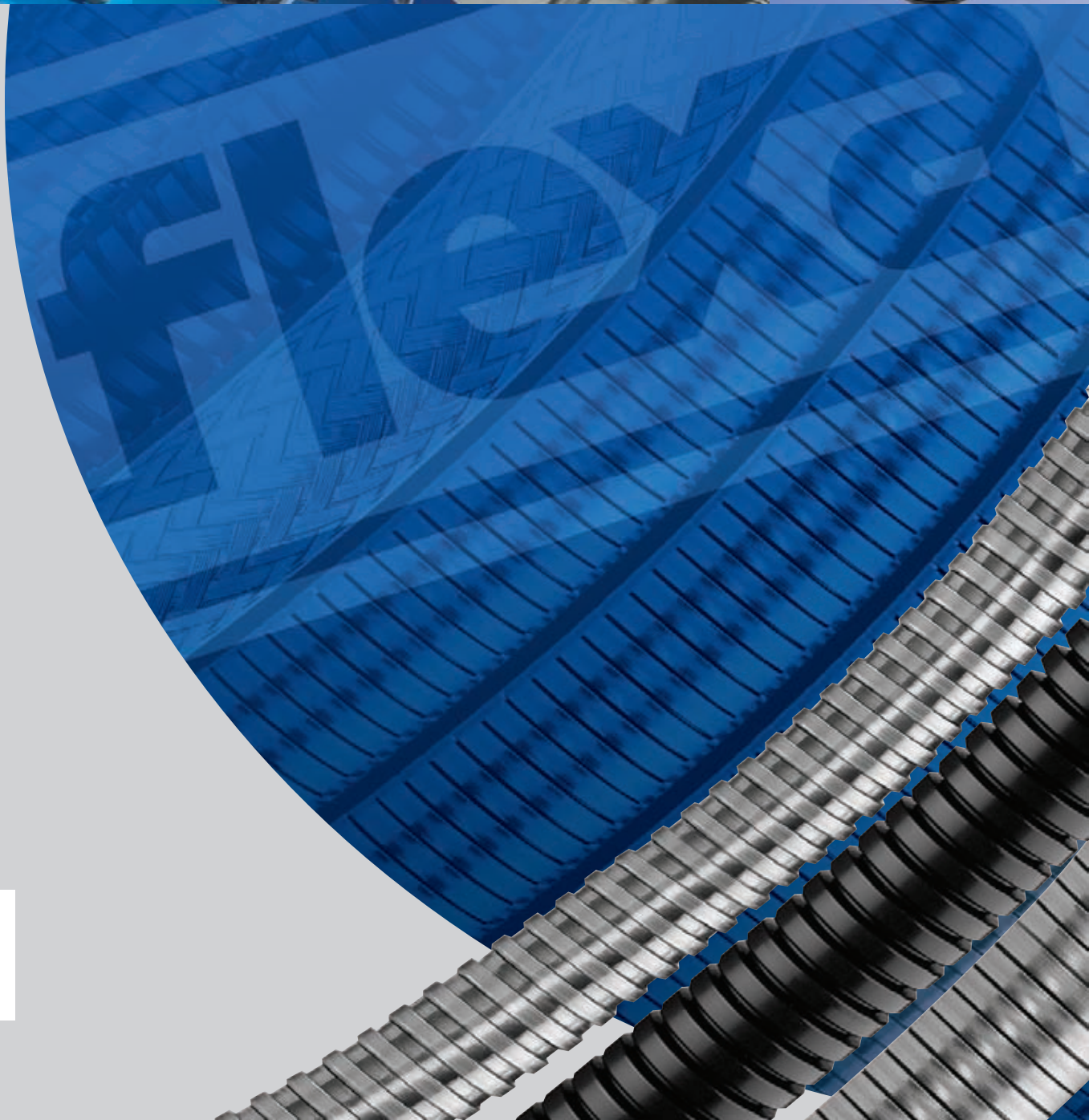


## Protective Conduit Systems



# ROHRflex® - FLEXAquick® system

## Corrugated all-plastic tubings and plastic connectors

### ROHRflex® types

#### PA 6

fine and coarse profile

#### PA 6-D

thick walled fine and coarse profile

#### PA 12





fine and coarse profile

#### PA 6 L

fine and coarse profile

#### PA 6-GTM

fine profile

Recognition					
Size range OD	13 - 54,5	13 - 54,5	13 - 54,5	13 - 54,5	13 - 54,5
Material	Polyamide 6	Polyamide 6	Polyamide 12	Polyamide	Polyamide 6
Temperature range	-40°C ... +115°C	-40°C ... +115°C	-50°C ... +100°C	-60°C ... +120°C	-40°C ... +140°C
Flammability class	V0 [UL 94]	V0 [UL 94]	V2 [UL 94]	HB [UL 94]	HB [UL 94]
<b>Applications</b>					
Machine/Plant Construction	✓	✓	✓	✓	✓
Automotive	✓	✓	✓	✓	
Shipbuilding	✓	✓			
Automation	✓	✓	✓		✓
Electrical Installations	✓	✓	✓	✓	✓

### Connectors



**AerosUSA** is a service-oriented supplier of electrical and electronic cable protection systems, conduits and associated components and assemblies. We are the exclusive North American distributor for Flexa Protective Conduit Systems in addition to numerous world leading manufacturers of industrial connector & strain relief products. Our value-added assembly department produces and integrates sub-assemblies utilizing the products which we keep in inventory in Harrisburg, PA and distribute throughout North America.

**AeroUSA's** business philosophy is to provide exemplary customer service focusing on individual customer needs such as quick-turn deliveries, 24 hour quotation response, custom designed and pre-assembled products, very low minimum order quantities and custom packaging and kitting.

**AerosUSA** strives to provide unparalleled customer service focusing on individual customer needs such as:

- Quick-turn deliveries
- 24 hour quotation response
- Custom designed and pre-assembled products
- Low minimum order requirements
- Kitting and custom packaging

Our target market includes manufacturers and suppliers to the following industries:

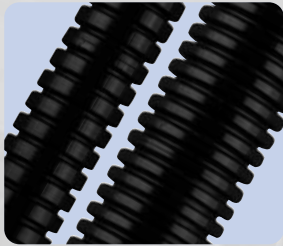
- Renewable energy
- Transportation
- HVAC
- Robotics
- Medical

**AerosUSA's** strength comes from our close and long-term relationships with our customers and our ability to fulfill their product and service requirements. These relationships have enabled us to partner with European manufacturers best suited to meet those needs.



# Corrugated plastic tubings



## ROHRflex® PA 6



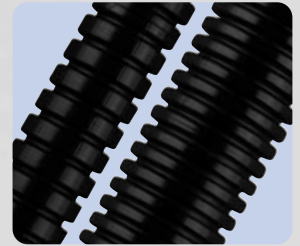
Corrugated all-plastic tubing PA 6

- V0 acc. to UL 94
- $\Delta$  -40°C ... +115°C  $\wedge$  ... +150°C
- UL File no. E86359



order no.	conduit size		mm	m
	Inch	NW OD		
<b>black</b>				
<b>fine profile</b>		$\emptyset$		
0233.202.010	5/16"	10 13.0	10.0 x 13.0	50
0233.202.012	3/8"	12 15.8	12.0 x 15.8	50
0233.202.016	1/2"	17 21.2	16.5 x 21.2	50
<b>coarse profile</b>				
0233.232.023	3/4"	23 28.5	22.0 x 28.5	50
0233.232.029	1"	29 34.5	27.5 x 34.5	25
0233.232.036	1 1/4"	36 42.5	35.5 x 42.5	25
0233.232.048	1 1/2"	48 54.5	47.0 x 54.5	25



## ROHRflex® PA 12



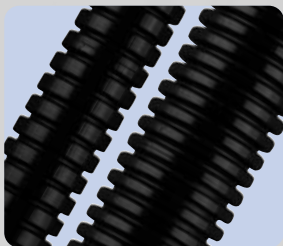
Corrugated all-plastic tubing PA 12

- V2 acc. to UL 94
- $\Delta$  -50°C ... +100°C  $\wedge$  +150°C



order no.	conduit size		mm	m
	Inch	NW OD		
<b>black</b>				
<b>fine profile</b>		$\emptyset$		
0236.202.010	5/16"	10 13.0	10.0 x 13.0	50
0236.202.012	3/8"	12 15.8	12.0 x 15.8	50
0236.202.016	1/2"	17 21.2	16.5 x 21.2	50
<b>coarse profile</b>				
0236.232.023	3/4"	23 28.5	22.0 x 28.5	50
0236.232.029	1"	29 34.5	27.5 x 34.5	25
0236.232.036	1 1/4"	36 42.5	35.5 x 42.5	25
0236.232.048	1 1/2"	48 54.5	47.0 x 54.5	25



## ROHRflex® PA 6-D



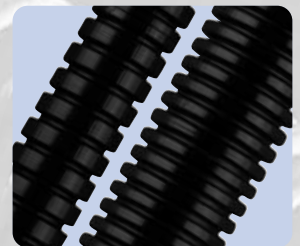
Corrugated all-plastic tubing PA 6 thick-walled

- V0 acc. to UL 94
- $\Delta$  -40°C ... +115°C  $\wedge$  ... +150°C
- UL-File-Nr. E86359



order no.	conduit size		mm	m
	Inch	NW OD		
<b>black</b>				
<b>fine profile</b>		$\emptyset$		
0237.202.010	5/16"	10 13.0	9.5 x 13.0	50
0237.202.012	3/8"	12 15.8	11.5 x 15.8	50
0237.202.016	1/2"	17 21.2	16.0 x 21.2	50
<b>coarse profile</b>				
0237.232.023	3/4"	23 28.5	22.5 x 28.5	50
0237.232.029	1"	29 34.5	27.0 x 34.5	25
0237.232.036	1 1/4"	36 42.5	35.0 x 42.5	25
0237.232.048	1 1/2"	48 54.5	46.5 x 54.5	25



## ROHRflex® PA 6 L



Corrugated all-plastic tubing (PA modified)

- HB acc. to UL 94
- $\Delta$  -25°C ... +120°C
- UL-File-Nr. E8359



order no.	conduit size		mm	m
	Inch	NW OD		
<b>black</b>				
<b>fine profile</b>		$\emptyset$		
0261.202.010	5/16"	10 13.0	9.5 x 13.0	50
0261.202.012	3/8"	12 15.8	11.5 x 15.8	50
0261.202.014	1/2"	17 21.2	16.0 x 21.2	50
<b>coarse profile</b>				
0261.232.023	3/4"	23 28.5	22.5 x 28.5	50
0261.232.029	1"	29 34.5	27.0 x 34.5	25
0261.232.036	1 1/4"	36 42.5	35.0 x 42.5	25
0261.232.048	1 1/2"	48 54.5	46.5 x 54.5	25

# Corrugated plastic tubings

## ROHRflex® PA 6-GTM



Corrugated all-plastic tubing (PA 6 modified) two-pieces, slitted for additional installations

- HB acc. to UL 94
- $\downarrow$  -40°C ... +140°C  $\wedge$  +160°C



order no.	conduit size			
	Inch	OD		
<b>black</b>				
<b>fine profile</b>				
0269.202.008*	5/16"	13.0	7.9 x 12.9	50
0269.202.010*	3/8"	15.8	10.5 x 15.8	50
0269.202.014*	1/2"	21.2	13.9 x 21.0	50
0269.202.020*	3/4"	28.5	20.5 x 28.3	50
0269.202.026*	1"	34.5	26.6 x 34.5	25
0269.202.032*	1 1/4"	42.5	33.9 x 42.6	25
0269.202.043*	1 1/2"	54.5	41.1 x 54.5	25

## Combined Index

Conduit Size Tubing outer $\varnothing$		Metric Thread EN 60423	PG Thread DIN 40430	NPT Thread ANSI/ASME B1.20.1
Inch	NW	OD		
5/16"	10	13.0	M 12 x 1.5	PG 9
3/8"	12	15.8	M 16 x 1.5	PG 11
1/2"	17	21.2	M 20 x 1.5	PG 16
3/4"	23	28.5	M 25 x 1.5	PG 21
1"	29	34.5	M 32 x 1.5	PG 29
1 1/4"	36	42.5	M 40 x 1.5	PG 36
1 1/2"	48	54.5	M 50 x 1.5	PG 48
				1/2"
				1/2"
				3/4"
				1"
				1 1/4"
				1 1/2"

## FLEXAzip



Slitted corrugated all-plastic tubing ROHRflex PA 6 Conduit Self closing

- HB acc. to UL 94
- $\downarrow$  -40°C ... +115°C  $\wedge$  +150°C



order no.	conduit size			
	Inch	OD		
<b>black</b>				
<b>fine profile</b>				
0255.202.110*	5/16"	13.0	10.0 x 13.0	10
0255.202.112*	3/8"	15.8	12.0 x 15.8	10
0255.202.116*	1/2"	21.2	16.5 x 21.2	10
0255.202.123*	3/4"	28.5	23.0 x 28.5	10
0255.202.129*	1"	34.5	29.0 x 34.5	10
0255.202.136*	1 1/4"	42.5	36.0 x 42.5	10
0255.202.148*	1 1/2"	54.5	48.5 x 54.5	10

### Structure

Connector case with or without hexagonal wrench surface, integrated snap-in sleeve with sealing (IP 68 / IP 69K), without sealing (>IP 65)

### Material

**Plastic connectors** plastic (PA)

**Sealing** TPE

**Plastic connectors with thread made of brass** plastic (PA)

**Thread** nickel-plated brass 58

**Sealing** TPE

### Properties

- rational tubing assembly due to one-piece connector with push-in lock
- dismantling without tools by displacing the snap-in sleeve
- smallest outer dimensions to be used under confined conditions

### Application

For expert assembly applicable as protective insulation connector acc. to EN 60204 application rules for machine and plant constructions.

Please note the following in order to attain protective System IP 68 / 67 / 66 / 65 acc. to EN 60529 / IEC 60529 and IP 69K acc. to DIN 40050 T.9 :

**Parting of protective tubing:** Cut the **ROHRflex®** tubing between two ribs.

More than one rib should not be passed while cutting the tubing.

### Assembly

Tubing and connector must be assembled to the cut tubing side. Push the connector on to the tubing until it can not snap-in any more and the connector can only be turned with force.

The relieved corrugated tubing pushes the claws of the snap-in-sleeve between the ribs, this means an exact closing of the connection.

### FLEXAquick® connector with locking device

Pull O-ring over connector housing and between connector housing and snap-in-sleeve, which means a perfect lock. Now dismantling without tools is not possible.

### Dismantling

Press the ring of the snap-in-sleeve to the connector case, then pull the tubing out or the connector from the tubing.

The connector is ready for use again.



Just press in



Quick dismantling without tools. Press ring on the housing and pull off



# Definition of the protective systems

acc. to EN 60529 / IEC 60529

The protective systems are stated through a short-code sign, composing of the two unchangeable indicating letters IP and two indexes for the protection degree i.e.

IP 68 (6 = First Index 8 = Second Index)

# IP XX

## First Index

### Protection degrees for contact and foreign body protection

Index	Designation	Protectionscope Description
<b>X</b>		
<b>0</b>	No protection	No special protection of persons against direct touch of active or agitated particles. No protection of resources against penetration of solid foreign bodies.
<b>1</b>	Protection against large foreign bodies	Protection against accidental large area contact of active and inner agitated particles, i.e. with the hand, but no protection against intentional access to these particles. Protection against penetration of solid foreign bodies with a diameter larger than 50 mm.
<b>2</b>	Protection against medium sized foreign bodies	Protection against contact of fingers with active or inner agitated particles. Protection against penetration of solid foreign bodies with a diameter larger than 12 mm.
<b>3</b>	Protection against small foreign bodies	Protection against contact of active or inner agitated particles with tools, wires or similars with a thickness of more than 2,5 mm. Protection against penetration of solid foreign bodies with a diameter larger than 2,5 mm.
<b>4</b>	Protection against granulated foreign bodies	Protection against contact of active or inner agitated particles with tools, wires or similars with a thickness of more than 1 mm.
<b>5</b>	Protection against dust deposit	Complete protection against contact with current-carrying or inner agitated particles. Protection against harmful dust deposit. The penetration of dusts is not completely prevented, but the dust may not penetrate in such quantities that it injures procedures.
<b>6</b>	Protection against dust penetration	Complete protection against contact with current-carrying or inner agitated particles. Protection against penetration of dust.

## Second Index:

### Protection degrees for water protection

Index	Designation	Protectionscope Description
<b>X</b>		
<b>0</b>	No protection	No special protection.
<b>1</b>	Protection against dripping water falling vertically	Water drops falling vertically may not have any harmful consequences.
<b>2</b>	Protection against dripping water falling diagonally	Water drops falling in any angle of 15° to the vertical line may not have any harmful consequences.
<b>3</b>	Protection against spray water	Water falling in any angle up to 60° to the vertical line may not have any harmful consequences.
<b>4</b>	Protection against splashing water	Water splashing from all directions onto resources may not have any harmful consequences.
<b>5</b>	Protection against water jets	A water jet from a nozzle directed onto resources from all directions may not have any harmful consequences.
<b>6</b>	Protection against inundation	In case of temporary inundation i.e. for heavy seas, water may not penetrate resources in harmful quantities.
<b>7</b>	Protection at immersion	Water may not penetrate in harmful quantities when resources are immersed into water under the determine pressure and time conditions.
<b>8</b>	Protection at submersion	Water may not penetrate in harmful quantities when resources are submerged under water (1,2 m water depth, 1 hour).

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Type A Type B







## RQG

Plastic connector, quick-type straight, outer thread, one-piece high sealing rate incl. flat sealing (FRH) and O-ring (OR)

IP 68 / IP 69K



conduit size			type	order no.		type	order no.		type	order no.		
Inch	NW	OD ø [mm]		RQG-M black	Metric EN 60423		RQG-P black	PG DIN 40430		RQG-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	A	5020.037.212	<b>M 12 x 1.5</b>	A	5020.026.209	<b>9</b>				50
3/8"	12	15.8	A	5020.037.216	<b>M 16 x 1.5</b>	A	5020.026.211	<b>11</b>	A	5020.056.205	<b>1/2"</b>	50
1/2"	17	21.2	A	5020.037.220	<b>M 20 x 1.5</b>	A	5020.026.216	<b>16</b>	A	5020.056.206	<b>1/2"</b>	50
3/4"	23	28.5	A	5020.065.225	<b>M 25 x 1.5</b>	A	5020.026.221	<b>21</b>	A	5020.038.221	<b>3/4"</b>	25
1"	29	34.5	A	5020.037.232	<b>M 32 x 1.5</b>	A	5020.026.229	<b>29</b>	A	5020.038.227	<b>1"</b>	25
1 1/4"	36	42.5	B	5020.037.240	<b>M 40 x 1.5</b>	B	5020.026.236	<b>36</b>	A	5020.056.207	<b>1 1/4"</b>	25
1 1/2"	48	54.5	B	5020.037.250	<b>M 50 x 1.5</b>	B	5020.026.248	<b>48</b>	A	5020.056.209	<b>1 1/2"</b>	10







## RQG1

Plastic connector, quick type straight, outer thread, one-piece conically sealing

IP 66



conduit size			order no.		order no.		order no.					
Inch	NW	OD ø [mm]		RQG1-M black	Metric EN 60423		RQG1-P black	PG DIN 40430		RQG1-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0		5020.055.212	<b>M 12 x 1.5</b>		5020.049.209	<b>9</b>				50
3/8"	12	15.8		5020.055.216	<b>M 16 x 1.5</b>		5020.049.211	<b>11</b>		5020.046.205	<b>1/2"</b>	50
1/2"	17	21.2		5020.055.220	<b>M 20 x 1.5</b>		5020.049.216	<b>16</b>		5020.046.206	<b>1/2"</b>	50
3/4"	23	28.5		5020.055.225	<b>M 25 x 1.5</b>		5020.049.221	<b>21</b>		5020.046.221	<b>3/4"</b>	25
1"	29	34.5		5020.055.232	<b>M 32 x 1.5</b>		5020.049.229	<b>29</b>		5020.046.227	<b>1"</b>	25
1 1/4"	36	42.5		5020.055.240	<b>M 40 x 1.5</b>		5020.049.236	<b>36</b>		5020.046.207	<b>1 1/4"</b>	25
1 1/2"	48	54.5		5020.055.250	<b>M 50 x 1.5</b>		5020.049.248	<b>48</b>		5020.046.209	<b>1 1/2"</b>	10







## RQGZ

Plastic connector, quick-type  
straight, outer thread, one-piece  
high sealing rate

IP 68 / IP 69K







conduit size			type	order no.		type	order no.		type	order no.		
Inch	NW	OD ø [mm]		RQGZ-M black	Metric EN 60423		RQGZ-P black	PG DIN 40430		RQGZ-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	A	5020.031.216	<b>M 16 x 1.5</b>	A	5020.034.209	<b>9</b>				20
3/8"	12	15.8	A	5020.031.220	<b>M 20 x 1.5</b>	A	5020.034.211	<b>11</b>	A	5704.015.205*	<b>1/2"</b>	20
1/2"	17	21.2	A	5020.031.225	<b>M 25 x 1.5</b>	A	5020.034.216	<b>16</b>	A	5704.021.205*	<b>1/2"</b>	10
3/4"	23	28.5	A	5020.031.232	<b>M 32 x 1.5</b>	A	5020.034.221	<b>21</b>	A	5704.028.207*	<b>3/4"</b>	10
1"	29	34.5	A	5020.031.240	<b>M 40 x 1.5</b>	A	5020.034.229	<b>29</b>	A	5704.034.210*	<b>1"</b>	10
1 1/4"	36	42.5	B	5020.031.250*	<b>M 50 x 1.5</b>	B	5020.034.236*	<b>36</b>	A	5704.054.212*	<b>1 1/4"</b>	10
1 1/2"	48	54.5	B	5020.031.263*	<b>M 63 x 1.5</b>	B	5020.034.248*	<b>48</b>				10

## RQGZ1

Plastic connector, quick-type  
straight, outer thread, one piece  
strain relief, conically sealing

IP 66



conduit size			order no.		order no.		order no.					
Inch	NW	OD ø [mm]		RQGZ1-M black	Metric EN 60423		RQGZ1-P black	PG DIN 40430		RQGZ1-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0		5109.013.216*	<b>M 16 x 1.5</b>		5020.060.209*	<b>9</b>				20
3/8"	12	15.8		5109.015.220*	<b>M 20 x 1.5</b>		5020.060.211*	<b>11</b>		5705.015.205*	<b>1/2"</b>	20
1/2"	17	21.2		5109.021.225*	<b>M 25 x 1.5</b>		5020.060.216*	<b>16</b>		5705.021.205*	<b>1/2"</b>	10
3/4"	23	28.5		5109.028.232*	<b>M 32 x 1.5</b>		5020.060.221*	<b>21</b>		5705.028.207*	<b>3/4"</b>	10
1"	29	34.5		5109.034.240*	<b>M 40 x 1.5</b>		5020.060.229*	<b>29</b>		5705.034.210*	<b>1"</b>	10
1 1/4"	36	42.5		5109.042.250*	<b>M 50 x 1.5</b>		5020.060.236*	<b>36</b>		5705.054.212*	<b>1 1/4"</b>	10
1 1/2"	48	54.5		5109.054.263*	<b>M 63 x 1.5</b>		5020.060.248*	<b>48</b>				10







Type B      Type A

## RQG2

Plastic connector, quick-type  
straight, inner thread, one-piece  
high sealing rate

IP 68 / IP 69K



conduit size			type	order no.		type	order no.		type	order no.		
Inch	NW	OD ø [mm]		<b>RQG2-M</b> black	<b>Metric</b> EN 60423		<b>RQG2-P</b> black	<b>PG</b> DIN 40430		<b>RQG2-N</b> black	<b>NPT</b> ANSI/ASME B1.20.1	<b>PU</b>
5/16"	10	13.0	A	5020.078.215*	<b>M 12 x 1.5</b>		5020.081.209*	<b>9</b>				50
3/8"	12	15.8	A	5020.078.216*	<b>M 16 x 1.5</b>	A	5020.081.211*	<b>11</b>				50
1/2"	17	21.2	A	5020.078.220*	<b>M 20 x 1.5</b>	A	5020.081.216*	<b>16</b>	A	5020.080.208*	<b>1/2"</b>	50
3/4"	23	28.5	A	5020.078.225*	<b>M 25 x 1.5</b>	A	5020.081.221*	<b>21</b>	A	5020.080.214*	<b>3/4"</b>	25
1"	29	34.5	A	5020.078.232*	<b>M 32 x 1.5</b>	A	5020.081.229*	<b>29</b>	A	5020.080.218*	<b>1"</b>	25
1 1/4"	36	42.5	B	5020.078.240*	<b>M 40 x 1.5</b>	B	5020.081.236*	<b>36</b>	A	5020.080.217*	<b>1 1/4"</b>	25
1 1/2"	48	54.5	B	5020.078.250*	<b>M 50 x 1.5</b>	B	5020.081.248*	<b>48</b>	A	5020.080.209*	<b>1 1/2"</b>	10




Inch	NW	OD ø [mm]	type	<b>RQG2-U</b> black	<b>UNE F</b> ANSI/ASME B1.1				<b>PU</b>
5/16"	10	13.0	A	5020.047.202*	<b>1/2" (0.5000)</b>	-28			50
5/16"	10	13.0	A	5020.047.203*	<b>5/8" (0.6250)</b>	-24			50
5/16"	10	13.0	A	5020.047.205*	<b>3/4" (0.7500)</b>	-20			50
3/8"	12	15.8	A	5020.047.204*	<b>5/8" (0.6250)</b>	-24			50
3/8"	12	15.8	A	5020.047.232*	<b>1 1/16" (0.6875)</b>	-24			50
3/8"	12	15.8	A	5020.047.206*	<b>3/4" (0.7500)</b>	-20			50
3/8"	12	15.8	A	5020.047.225*	<b>15/16" (0.9375)</b>	-20			50
3/8"	12	15.8	A	5020.047.210*	<b>1" (1.0000)</b>	-20			50
1/2"	17	21.2	A	5020.047.039*	<b>9/16" (0.5625)</b>	-24			50
1/2"	17	21.2	A	5020.047.207*	<b>5/8" (0.6250)</b>	-24			50
1/2"	17	21.2	A	5020.047.227*	<b>3/4" (0.7500)</b>	-20			50
1/2"	17	21.2	A	5020.047.208*	<b>7/8" (0.8750)</b>	-20			50
1/2"	17	21.2	A	5020.047.209*	<b>1 5/16" (0.9375)</b>	-20			50
1/2"	17	21.2	A	5020.047.211*	<b>1" (1.0000)</b>	-20			50
1/2"	17	21.2	A	5020.047.230*	<b>1 1/8" (1.1250)</b>	-18			50
1/2"	17	21.2	A	5020.047.212*	<b>1 3/16" (1.1875)</b>	-18			50
1/2"	17	21.2	A	5020.047.222*	<b>1 3/8" (1.3750)</b>	-18			50
1/2"	17	21.2	A	5020.047.215*	<b>1 7/16" (1.4375)</b>	-18			50
1/2"	17	21.2	A	5020.047.219*	<b>1 3/4" (1.7500)</b>	-18			50
3/4"	23	28.5	A	5020.047.223*	<b>1 5/16" (0.9375)</b>	-20			25
3/4"	23	28.5	A	5020.047.214*	<b>1" (1.0000)</b>	-20			25
3/4"	23	28.5	A	5020.047.213*	<b>1 3/16" (1.1875)</b>	-18			25
3/4"	23	28.5	A	5020.047.216*	<b>1 3/8" (1.3750)</b>	-18			25
3/4"	23	28.5	A	5020.047.217*	<b>1 7/16" (1.4375)</b>	-18			25
3/4"	23	28.5	A	5020.047.236*	<b>1 3/4" (1.7500)</b>	-18			25
1"	29	34.5	A	5020.047.233*	<b>1" (1.0000)</b>	-20			25
1"	29	34.5	A	5020.047.234*	<b>1 3/16" (1.1875)</b>	-18			25
1"	29	34.5	A	5020.047.224*	<b>1 3/8" (1.3750)</b>	-18			10
1"	29	34.5	A	5020.047.218*	<b>1 7/16" (1.4375)</b>	-18			10
1"	29	34.5	A	5020.047.220*	<b>1 3/4" (1.7500)</b>	-18			10
1"	29	34.5	A	5020.047.221*	<b>2" (2.0000)</b>	-18			10
1 1/4"	36	42.5	A	5020.047.231*	<b>1 3/16" (1.1875)</b>	-18			10
1 1/4"	36	42.5	A	5020.047.228*	<b>1 7/16" (1.4375)</b>	-18			10
1 1/4"	36	42.5	A	5020.047.229*	<b>1 3/4" (1.7500)</b>	-18			10
1 1/4"	36	42.5	A	5020.047.238*	<b>2" (2.0000)</b>	-18			10
1 1/4"	36	42.5	A	5020.047.237*	<b>2 1/4" (2.2500)</b>	-16			10
1 1/2"	48	54.5	A	5020.047.235*	<b>2 1/4" (2.2500)</b>	-16			10

## RQB90

Plastic connector, quick-type  
bend 90°, outer thread, one-piece  
high sealing rate  
incl. flat sealing (FRH) and O-ring (OR)

IP 68 / IP 69K



conduit size			order no.		order no.		
Inch	NW	OD ø [mm]	RQB90-M black	Metric EN 60423	RQB90-P black	PG DIN 40430	PU
5/16"	10	13.0	5103.013.216	<b>M 16 x 1.5</b>	5020.090.209	<b>9</b>	50
3/8"	12	15.8	5103.015.220	<b>M 16 x 1.5</b>	5020.090.211	<b>11</b>	50
1/2"	17	21.2	5103.021.220	<b>M 20 x 1.5</b>	5020.090.216	<b>16</b>	50
3/4"	23	28.5	5103.028.225	<b>M 25 x 1.5</b>	5020.090.221	<b>21</b>	25
1"	29	34.5	5103.034.232	<b>M 32 x 1.5</b>	5020.090.229	<b>29</b>	10
1 1/4"	36	42.5	5103.042.240	<b>M 40 x 1.5</b>	5020.090.236	<b>36</b>	10
1 1/2"	48	54.5	5103.054.250	<b>M 50 x 1.5</b>	5020.090.248	<b>48</b>	5

## RQB1 90

Plastic connector, quick-type  
bend 90°, outer thread, one-piece  
conically sealing

IP 66




conduit size			order no.		order no.		
Inch	NW	OD ø [mm]	RQB1 90-M black	Metric EN 60423	RQB1 90-P black	PG DIN 40430	PU
5/16"	10	13.0	5104.013.216	<b>M 16 x 1.5</b>	5020.097.209	<b>9</b>	50
3/8"	12	15.8	5104.015.220	<b>M 16 x 1.5</b>	5020.097.211	<b>11</b>	50
1/2"	17	21.2	5104.021.220	<b>M 20 x 1.5</b>	5020.097.216	<b>16</b>	50
3/4"	23	28.5	5104.028.225	<b>M 25 x 1.5</b>	5020.097.221	<b>21</b>	25
1"	29	34.5	5104.034.232	<b>M 32 x 1.5</b>	5020.097.229	<b>29</b>	10
1 1/4"	36	42.5	5104.042.240	<b>M 40 x 1.5</b>	5020.097.236	<b>36</b>	10
1 1/2"	48	54.5	5104.054.250	<b>M 50 x 1.5</b>	5020.097.248	<b>48</b>	5

## RQW-F

Plastic connector, quick-type  
elbow flange 90°, fixed flange  
connection, integrated snap-in  
sleeve, sealing, O-Ring

IP 67



conduit size			order no.	
Inch	NW	OD ø [mm]	RQW-F black	PU
3/4"	23	28.5	5020.077.221*	10
1"	29	34.5	5020.077.229*	10
1 1/4"	36	42.5	5020.077.236*	10
1 1/2"	48	54.5	5020.077.248*	10







## RQB45

Plastic connector, quick-type  
bend 45°, outer thread, one-piece  
high sealing rate  
incl. flat sealing (FRH) and O-ring (OR)

IP 68 / IP 69K



conduit size			order no.		order no.		order no.		
Inch	NW	OD ø [mm]	RQB45-M black	Metric EN 60423	RQB45-P black	PG DIN 40430	RQB45-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	5100.013.216	<b>M 16 x 1.5</b>	5020.089.209	<b>9</b>			50
3/8"	12	15.8	5100.015.220	<b>M 20 x 1.5</b>	5020.089.211	<b>11</b>	5020.017.205	<b>1/2"</b>	50
1/2"	17	21.2	5100.021.220	<b>M 20 x 1.5</b>	5020.089.216	<b>16</b>	5020.017.206	<b>1/2"</b>	50
3/4"	23	28.5	5100.028.225	<b>M 25 x 1.5</b>	5020.089.221	<b>21</b>	5020.017.214	<b>3/4"</b>	25
1"	29	34.5	5100.034.232	<b>M 32 x 1.5</b>	5020.089.229	<b>29</b>	5020.017.216	<b>1"</b>	10
1 1/4"	36	42.5	5100.042.240	<b>M 40 x 1.5</b>	5020.089.236	<b>36</b>	5020.017.217	<b>1 1/4"</b>	10
1 1/2"	48	54.5	5100.054.250	<b>M 50 x 1.5</b>	5020.089.248	<b>48</b>	5020.017.209	<b>1 1/2"</b>	5







## RQB1 45

Plastic connector, quick-type  
bend 45°, outer thread, one-piece  
conically sealing

IP 66







conduit size			order no.		order no.		order no.		
Inch	NW	OD ø [mm]	RQB1 45-M black	Metric EN 60423	RQB1 45-P black	PG DIN 40430	RQB1 45-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	5101.013.216	<b>M 16 x 1.5</b>	5020.096.209	<b>9</b>			50
3/8"	12	15.8	5101.015.220	<b>M 20 x 1.5</b>	5020.096.211	<b>11</b>	5701.015.204*	<b>1/2"</b>	50
1/2"	17	21.2	5101.021.220	<b>M 20 x 1.5</b>	5020.096.216	<b>16</b>	5701.021.205*	<b>1/2"</b>	50
3/4"	23	28.5	5101.028.225	<b>M 25 x 1.5</b>	5020.096.221	<b>21</b>	5701.028.214*	<b>3/4"</b>	25
1"	29	34.5	5101.034.232	<b>M 32 x 1.5</b>	5020.096.229	<b>29</b>	5701.034.210*	<b>1"</b>	10
1 1/4"	36	42.5	5101.042.240	<b>M 40 x 1.5</b>	5020.096.236	<b>36</b>	5701.042.207*	<b>1 1/4"</b>	10
1 1/2"	48	54.5	5101.054.250	<b>M 50 x 1.5</b>	5020.096.248	<b>48</b>	5701.054.209*	<b>1 1/2"</b>	5

## RQW

Plastic connector, quick-type elbow 90°, outer thread, one-piece high sealing rate incl. flat sealing (FRH) and O-ring (OR)

IP 68 / IP 69K







conduit size			order no.		order no.		order no.		
Inch	NW	OD ø [mm]	RQW-M black	Metric EN 60423	RQW-P black	PG DIN 40430	RQW-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	5020.064.212	<b>M 12 x 1.5</b>	5020.028.209	<b>9</b>			50
3/8"	12	15.8	5020.064.216	<b>M 16 x 1.5</b>	5020.028.211	<b>11</b>	5020.057.205	<b>1/2"</b>	50
1/2"	17	21.2	5020.064.220	<b>M 20 x 1.5</b>	5020.028.216	<b>16</b>	5020.057.206	<b>1/2"</b>	50
3/4"	23	28.5	5020.064.225	<b>M 25 x 1.5</b>	5020.028.221	<b>21</b>	5020.039.221	<b>3/4"</b>	25
1"	29	34.5	5020.064.232	<b>M 32 x 1.5</b>	5020.028.229	<b>29</b>	5020.039.228	<b>1"</b>	10
1 1/4"	36	42.5	5020.064.240	<b>M 40 x 1.5</b>	5020.028.236	<b>36</b>	5020.057.207	<b>1 1/4"</b>	10
1 1/2"	48	54.5	5020.064.250	<b>M 50 x 1.5</b>	5020.028.248	<b>48</b>	5020.057.209	<b>1 1/2"</b>	10

## RQW1

Plastic connector, quick-type elbow 90°, outer thread, one-piece conically sealing

IP 66



conduit size			order no.		order no.		order no.		
Inch	NW	OD ø [mm]	RQW1-M black	Metric EN 60423	RQW1-P black	PG DIN 40430	RQW1-N black	NPT ANSI/ASME B1.20.1	PU
5/16"	10	13.0	5020.051.212	<b>M 12 x 1.5</b>	5020.050.209	<b>9</b>			50
3/8"	12	15.8	5020.051.218	<b>M 16 x 1.5</b>	5020.050.211	<b>11</b>	5727.015.204*	<b>1/2"</b>	50
1/2"	17	21.2	5020.051.222	<b>M 20 x 1.5</b>	5020.050.216	<b>16</b>	5727.021.205*	<b>1/2"</b>	50
3/4"	23	28.5	5020.051.228	<b>M 25 x 1.5</b>	5020.050.221	<b>21</b>	5727.028.214*	<b>3/4"</b>	25
1"	29	34.5	5020.051.234	<b>M 32 x 1.5</b>	5020.050.229	<b>29</b>	5727.034.210*	<b>1"</b>	10
1 1/4"	36	42.5	5020.051.242	<b>M 40 x 1.5</b>	5020.050.236	<b>36</b>	5727.042.207*	<b>1 1/4"</b>	10
1 1/2"	48	54.5	5020.051.254	<b>M 50 x 1.5</b>	5020.050.248	<b>48</b>	5727.054.209*	<b>1 1/2"</b>	10



## RQT-PA

Plastic connector, quick-type  
one-piece T-distributor  
high sealing rate  
Material PA



IP 68 / IP 69K


## RQY-PA


Plastic connector, quick-type  
one-piece Y-distributor  
high sealing rate  
Material PA

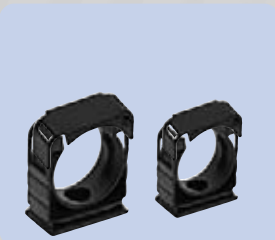


IP 68 / IP 69K



order no.	Inch	OD	
<b>RQT-PA</b> black	∅	∅ [mm]	PU
5020.041.208	3 x 3/8"	3 x 15.8	10
5020.041.201	3 x 1/2"	3 x 21.2	10
5020.041.202	3 x 3/4"	3 x 28.5	10
5020.041.211	3 x 1"	3 x 34.5	10
5020.041.212*	3 x 1 1/4"	3 x 42.5	10
5020.041.213*	3 x 1 1/2"	3 x 54.5	5

order no.	Inch	Inch	OD1	OD2	
<b>RQY-PA</b> black	∅	∅	∅ [mm]	∅ [mm]	PU
5020.032.202*	5/16"	2 x 5/16"	13.0	2 x 13.0	10
5020.032.203	3/8"	2 x 3/8"	15.8	2 x 13.0	10
5020.032.204*	3/8"	2 x 3/8"	15.8	2 x 15.8	10
5020.032.206	1/2"	2 x 3/8"	21.2	2 x 15.8	10
5020.032.208	3/4"	2 x 1/2"	28.5	2 x 21.2	10
5020.032.209	1"	2 x 3/4"	34.5	2 x 28.5	10
5020.032.210*	1 1/4"	2 x 1"	42.5	2 x 34.5	10
5020.032.211*	1 1/2"	2 x 1 1/4"	54.5	2 x 42.5	5



## RQHG


Tubing clamp with cover  
Material PA




## RQM

Heavy tubing clamp  
Material plastic (PA)  
• stackable



order no.	Inch	NW	OD	
<b>RQHG</b> black	∅		∅ [mm]	PU
5030.028.209	5/16"	10	13.0	50
5030.028.211	3/8"	12	15.8	50
5030.028.216	1/2"	17	21.2	50
5030.028.221	3/4"	23	28.5	25
5030.028.229	1"	29	34.5	25
5030.028.236	1 1/4"	36	42.5	25
5030.028.248	1 1/2"	48	54.5	10

order no.	Inch	NW	OD	
<b>RQM</b> black	∅		∅ [mm]	PU
5020.020.216*	1/2"	17	21.2	10
5020.020.221*	3/4"	23	28.5	10
5020.020.229*	1"	29	34.5	10
5020.020.236*	1 1/4"	36	42.5	10
5020.020.248*	1 1/2"	48	54.5	5

\* Delivery time on request



# Connectors FLEXAquick®

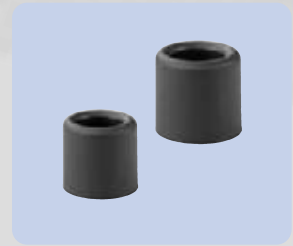


## RQGR

Plastic connector, quick-type  
one-piece reducer  
high sealing rate  
Material PA  
• -40°C ... +115°C

## RQA

Terminal sleeve, attachable  
on all ROHRflex tubings  
Material PA  
• -40°C ... +115°C  
• V0 acc. to UL 94



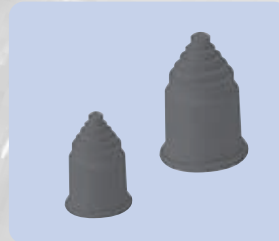
IP 68 / IP 69K

order no.	Inch	Inch	OD 1	OD2	
<b>RQGR</b> black	∅	∅	∅ [mm]	∅ [mm]	PU
5601.013.215*	5/16"	3/8"	13.0	15.8	10
5601.013.221*	5/16"	1/2"	13.0	21.2	10
5601.015.221*	3/8"	1/2"	15.8	21.2	10
5601.015.228*	3/8"	3/4"	15.8	28.5	10
5601.015.234*	3/8"	1"	15.8	34.5	10
5601.021.228*	1/2"	3/4"	21.2	28.5	10
5601.021.234*	1/2"	1"	21.2	34.5	10
5601.028.234*	3/4"	1"	28.5	34.5	10
5601.034.242*	1"	1 1/4"	34.5	42.5	10
5601.042.254*	1 1/4"	1 1/2"	42.5	54.5	5

order no.	Inch	NW	OD	
<b>RQA</b> black	∅		∅ [mm]	PU
5030.021.209	5/16"	10	13.0	50
5030.021.211	3/8"	12	15.8	50
5030.021.216	1/2"	17	21.2	50
5030.021.221	3/4"	23	28.5	25
5030.021.229	1"	29	34.5	25
5030.021.236	1 1/4"	36	42.5	25
5030.021.248	1 1/2"	48	54.5	10

## RQE

End cap / transition from  
tubing to cable  
• -40°C ... +120°C ... +150°C



order no.	Inch	NW	OD	
<b>RQE</b> black	∅		∅ [mm]	PU
5030.012.209	5/16"	10	13.0	50
5030.012.211	3/8"	12	15.8	50
5030.012.216	1/2"	17	21.2	50
5030.012.221	3/4"	23	28.5	25
5030.012.229	1"	29	34.5	25
5030.012.236	1 1/4"	36	42.5	25
5030.012.248	1 1/2"	48	54.5	10

# Thread standards

Thread PG			Thread Metric (M)			Thread NPT			Thread UNEF		
PG	outer ∅	pitch	M	outer ∅	pitch	NPT	outer ∅	pitch	UNEF	outer ∅	pitch
	mm			mm			mm			mm	
			10	10.0	1.0				1/2"	(0.500)-28	12.700 0.907
7	12.5	1.27	12	12.0	1.5						
							1/4"	13.716 1.411			
9	15.2	1.41									
									5/8"	(0.6250)-24	15.875 1.058
			16	16.0	1.5						
							3/8"	17.145 1.411			
11	18.6	1.41									
									3/4"	(0.7500)-20	19.050 1.270
13,5	20,4	1.41	20	2.0	1.5						
							1/2"	21.336 1.814			
16	22.5	1.41							7/8"	(0.8750)-20	22.225 1.270
									15/16"	(0.9375)-20	23.813 1.270
			25	25.0	1.5				1"	(1.0000)-20	25.400 1.270
							3/4"	26.670 1.814			
21	28.3	1.588									
									1 3/16"	(1.1875)-18	30.163 1.411
			32	32.0	1.5						
							1"	33.401 2.208			
									1 7/16"	(1.4375)-18	36.513 1.411
29	37.0	1.588									
			40	40.0	1.5						
							1 1/4"	42.164 2.208	1 3/8"	(1.375) -18	34.925 1.411
									1 3/4"	(1.7500)-18	44.450 1.7205
36	47.0	1.588	50	50.0	1.5						
							1 1/2"	48.260 2.208			
									2"	(2.0000)-18	50.8 1.9706
42	54.0	1.588									
48	59.3	1.588					2"	60.325 2.208			
			63	63.0	1.5						
PG thread acc. to DIN 40430			M thread acc. to EN 60423 resp. IEC 423 or BS 6053 ISO 68/DIN 13			NPT thread acc. to ANSI / ASME B 1.20.1			UNEF thread acc. to ANSI / ASME B 1.1		





# Protective metal and plastic conduits

## AIRflex® -KUW-PVC-AS

Inside helix of  
spring steel wire

## AIRflex® -KUW-PU-AS





Inside helix of spring  
steel wire

## SPR-PU-F

Flame retardant  
PU sheathing

## SPR-PVC-AS

PVC sheathing

Recognition				
Size range OD	10 - 56	10 - 56	10 - 56	8 - 56
Material	PVC	PU	Galvanized steel	Galvanized steel
Temperature range	-25°C ... +80°C	-40°C ... +80°C	-40°C ... +80°C	-25°C ... +80°C
Protective system	IP 68	IP 68	IP 68	IP 68
<b>Applications</b>				
Machine/Plant Construction	✓	✓	✓	✓
Automotive	✓	✓		✓
Shipbuilding			✓	✓
Automation		✓		
Electrical Installations	✓	✓	✓	✓

## Connectors



LKI-M/P



LKI-M/P



US-M/P



US-M/P

## Accessories



FR-M/P/N



FRH-M/P/N



OR-M/P



GM-M/P/N



GMK-M/P



SKM

**AEROSUSA** INC.

Phone: 717.238.1444 Toll Free: 855.393.9905 service@aerosusa.com

# Plastic conduits and connectors

## AIRflex® -KUW-PVC-AS

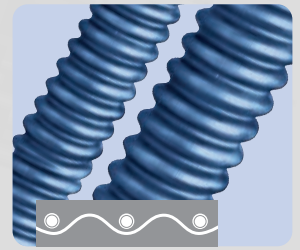


Plastic conduit, inside helix of PVC sheathed spring steel wire

- IP 68
- $\downarrow$  -25°C ... +80°C  $\wedge$  ... +100°C
- UL-File-Nr. E86359



## AIRflex® -KUW-PU-AS



Plastic conduit PU, inside helix of PVC sheathed spiral of spring steel wire

- IP 68
- V2 acc. to UL 94
- $\downarrow$  -40°C ... +80°C  $\wedge$  ... +120°C



order no.	conduit size		NW	OD	mm	m
	Inch	mm				
2030.101.010*	¼"	10	14	10 x 14	50	
2030.101.013*	⅜"	12	17	13 x 17	50	
2030.101.016*	½"	17	21	16 x 21	50	
2030.101.021*	¾"	23	27	22 x 27	50	
2030.101.029*	1"	29	36	29 x 36	25	
2030.101.038*	1¼"	36	45	38 x 45	25	
2030.101.048*	1½"	48	56	48 x 56	25	

order no.	conduit size		NW	OD	mm	m
	Inch	mm				
2040.701.010*	¼"	10	14	10 x 14	50	
2040.701.013*	⅜"	12	17	13 x 17	50	
2040.701.016*	½"	17	21	16 x 21	50	
2040.701.021*	¾"	23	27	22 x 27	50	
2040.701.029*	1"	29	36	29 x 36	25	
2040.701.038*	1¼"	36	45	38 x 45	25	
2040.701.048*	1½"	48	56	48 x 56	25	

## LKI

Plastic connector one-part, outer thread, turnable integrated ferrule

- IP 54
- $\downarrow$  -10°C ... +110°C

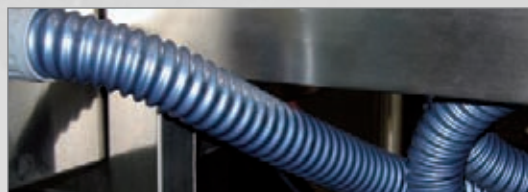
for protective plastic conduits

AIRflex-KUW-PVC-AS

AIRflex-KUW-PU-AS

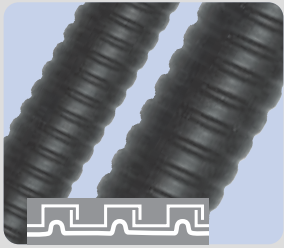


conduit size			order no. [IP 54]		order no. [IP 54]	
Inch	NW	OD	LKI-M grey	Metric EN 60423	LKI-P grey	PG DIN 40430
¼"	10	14	5020.014.016*	M 16 x 1.5	5020.010.009*	9
⅜"	12	17	5020.014.020*	M 20 x 1.5	5020.010.011*	11
½"	17	21	5020.014.025*	M 25 x 1.5	5020.010.016*	16
¾"	23	27	5020.014.032*	M 32 x 1.5	5020.010.021*	21
1"	29	36	5020.014.040*	M 40 x 1.5	5020.010.029*	29
1¼"	36	45	5020.014.050*	M 50 x 1.5	5020.010.036*	36
1½"	48	56	5020.014.063*	M 63 x 1.5	5020.010.048*	48



# Metal conduits and connectors

## SPR-PU-F

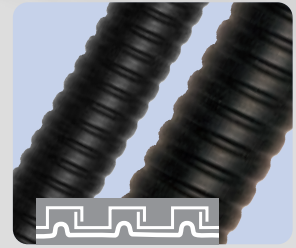


Protective metal conduit  
galvanized steel, flame retardant  
polyurethane sheathing

- IP 68
- -40°C ... +80°C ^ ... +120°C
- V0 acc. to UL 94



## SPR-PVC-AS



Protective metal conduit  
galvanized steel, PVC-sheathing  
non flame propagating

- IP 68
- -25°C ... +80°C ^ ... +100°C



order no.	conduit size			mm	m
	Inch	NW	OD ø [mm]		
2213.702.010*	¼"	10	14	10 x 14	50
2213.702.013*	⅜"	12	17	13 x 17	50
2213.702.017*	½"	17	21	17 x 21	50
2213.702.022*	¾"	23	27	22 x 27	50
2213.702.029*	1"	29	36	29 x 36	25
2213.702.038*	1¼"	36	45	38 x 45	25
2213.702.049*	1½"	48	56	49 x 56	25

order no.	conduit size			mm	m
	Inch	NW	OD ø [mm]		
2010.112.010*	¼"	10	14	10 x 14	50
2010.112.013*	⅜"	12	17	13 x 17	50
2010.112.017*	½"	17	21	17 x 21	50
2010.112.022*	¾"	23	27	22 x 27	50
2010.112.029*	1"	29	36	29 x 36	25
2010.112.038*	1¼"	36	45	38 x 45	25
2010.112.049*	1½"	48	56	49 x 56	25

## US

Metal Connector, safety-type  
straight, outer thread  
incl. ferrule, sealing and O-ring

- IP 40 - 54
- -40°C ... +125°C



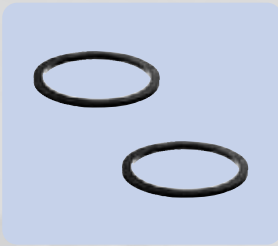
conduit size			order no. [IP 65]		order no. [IP 65]			
Inch	NW	OD ø [mm]	US-M		US-P	PG	PU	
				Metric EN 60423		DIN 40430		
¼"	10	14	5010.328.012*	M 12 x 1.5	50	5010.128.009*	9	50
⅜"	12	17	5010.328.016*	M 16 x 1.5	50	5010.128.011*	11	50
½"	17	21	5010.328.020*	M 20 x 1.5	50	5010.128.016*	16	50
¾"	23	27	5010.328.025*	M 25 x 1.5	25	5010.128.021*	21	25
1"	29	36	5010.328.032*	M 32 x 1.5	25	5010.128.029*	29	25
1¼"	36	45	5010.328.040*	M 40 x 1.5	20	5010.128.036*	36	20
1½"	48	56	5010.328.050*	M 50 x 1.5	10	5010.128.048*	48	10



**AEROSUSA** INC.

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# Accessories



## FR

Flat-sealing  
Material perbunan

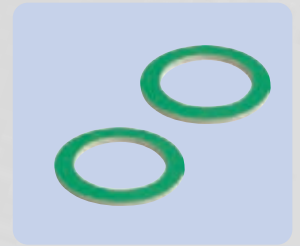
• -20°C ... +120°C



order no.		
<b>FR-M</b>	<b>Metric</b> EN 60423	<b>PU</b>
0333.000.012	<b>M 12 x 1.5</b>	50
0333.000.016	<b>M 16 x 1.5</b>	50
0333.000.020	<b>M 20 x 1.5</b>	50
0333.000.025	<b>M 25 x 1.5</b>	50
0333.000.032	<b>M 32 x 1.5</b>	25
0333.000.040	<b>M 40 x 1.5</b>	25
0333.000.050	<b>M 50 x 1.5</b>	25
0331.000.063*	<b>M 63 x 1.5</b>	10
<b>FR-P</b>	<b>PG</b> DIN 40430	
0331.000.009	<b>9</b>	50
0331.000.011	<b>11</b>	50
0331.000.016	<b>16</b>	50
0331.000.021	<b>21</b>	25
0331.000.029	<b>29</b>	25
0331.000.036	<b>36</b>	25
0331.000.048	<b>48</b>	10
<b>FR-N</b>	<b>NPT</b> ANSI/ASME B1.20.1	
0331.000.016	<b>1/2"</b>	50
0331.000.021	<b>3/4"</b>	25
0331.000.045	<b>1"</b>	25
0331.000.008	<b>1 1/4"</b>	25
0331.000.014	<b>1 1/2"</b>	25

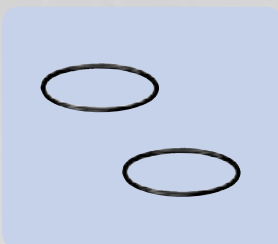
## FRH

Flat-sealing  
Material centellen

• -50°C ... +200°C  
• especially for protective rate IP 68



order no.		
<b>FRH-M</b>	<b>Metric</b> EN 60423	<b>PU</b>
0333.001.012	<b>M 12 x 1.5</b>	50
0333.001.016	<b>M 16 x 1.5</b>	50
0333.001.020	<b>M 20 x 1.5</b>	50
0333.001.025	<b>M 25 x 1.5</b>	50
0333.001.032	<b>M 32 x 1.5</b>	25
0333.001.040	<b>M 40 x 1.5</b>	25
0333.001.050	<b>M 50 x 1.5</b>	25
0333.001.063*	<b>M 63 x 1.5</b>	10
<b>FRH-P</b>	<b>PG</b> DIN 40430	
0331.001.009	<b>9</b>	50
0331.001.011	<b>11</b>	50
0331.001.016	<b>16</b>	50
0331.001.021	<b>21</b>	25
0331.001.029	<b>29</b>	25
0331.001.036	<b>36</b>	25
0331.001.048*	<b>48</b>	10
<b>FRH-N</b>	<b>NPT</b> ANSI/ASME B1.20.1	
0331.001.004	<b>1/2"</b>	50
0331.001.006	<b>3/4"</b>	25
0331.001.005	<b>1"</b>	25
0331.001.008	<b>1 1/4"</b>	25
0331.001.014	<b>1 1/2"</b>	25





## OR

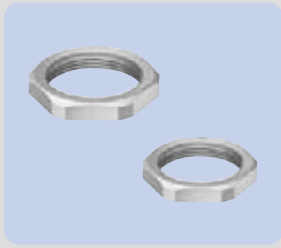
O-ring  
Material perbunan

• -20°C ... +120°C



order no.		
<b>OR-M</b>	<b>Metric</b> EN 60423	<b>PU</b>
0330.001.012	<b>M 12 x 1.5</b>	50
0330.001.016	<b>M 16 x 1.5</b>	50
0330.001.020	<b>M 20 x 1.5</b>	50
0330.001.025	<b>M 25 x 1.5</b>	50
0330.001.032	<b>M 32 x 1.5</b>	25
0330.001.040	<b>M 40 x 1.5</b>	25
0330.001.050	<b>M 50 x 1.5</b>	25
0330.001.063*	<b>M 63 x 1.5</b>	10
<b>OR-P</b>	<b>PG</b> DIN 40430	
0330.000.009	<b>9</b>	50
0330.000.011	<b>11</b>	50
0330.000.016	<b>16</b>	50
0330.000.021	<b>21</b>	25
0330.000.029	<b>29</b>	25
0330.000.036	<b>36</b>	25
0330.000.048	<b>48</b>	10

# Accessories



## GMK

Counter-nut  
Material plastic (PA)



• -40°C ... +100°C



## GM

Counter-nut  
Material nickel-plated brass

• -40°C ... +200°C



order no.		
<b>GMK-M</b> black	<b>Metric</b> EN 60423	<b>PU</b>
0309.000.212	<b>M 12 x 1.5</b>	100
0309.000.216	<b>M 16 x 1.5</b>	100
0309.000.220	<b>M 20 x 1.5</b>	100
0309.000.225	<b>M 25 x 1.5</b>	100
0309.000.232	<b>M 32 x 1.5</b>	100
0309.000.240	<b>M 40 x 1.5</b>	50
0309.000.250	<b>M 50 x 1.5</b>	25
0309.000.263*	<b>M 63 x 1.5</b>	10
<b>GMK-P</b> black	<b>PG</b> DIN 40430	
0310.000.209	<b>9</b>	100
0310.000.211	<b>11</b>	100
0310.000.216	<b>16</b>	100
0310.000.221	<b>21</b>	100
0310.000.229	<b>29</b>	100
0310.000.236	<b>36</b>	50
0310.000.248	<b>48</b>	25


order no.		
<b>GM-M</b>	<b>Metric</b> EN 60423	<b>PU</b>
0531.000.012	<b>M 12 x 1.5</b>	100
0531.000.016	<b>M 16 x 1.5</b>	100
0531.000.020	<b>M 20 x 1.5</b>	100
0531.000.025	<b>M 25 x 1.5</b>	100
0531.000.032	<b>M 32 x 1.5</b>	100
0531.000.040	<b>M 40 x 1.5</b>	50
0531.000.050	<b>M 50 x 1.5</b>	50
0531.000.063*	<b>M 63 x 1.5</b>	50
<b>GM-P</b>	<b>PG</b> DIN 40430	
0530.000.009	<b>9</b>	100
0530.000.011	<b>11</b>	100
0530.000.016	<b>16</b>	100
0530.000.021	<b>21</b>	100
0530.000.029	<b>29</b>	100
0530.000.036	<b>36</b>	50
0530.000.048	<b>48</b>	25
<b>GM-N</b>	<b>NPT</b> (ANSI/ASME B1.20.1)	
0531.000.003	<b>1/2"</b>	100
0531.000.004	<b>3/4"</b>	100
0531.000.005	<b>1"</b>	100
0531.000.006	<b>1 1/4"</b>	100
0531.000.007	<b>1 1/2"</b>	100

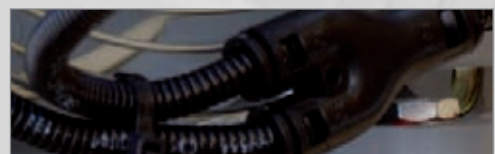


## SKM

Tubing-clamp  
Material galvanized steel  
with rubber-profile

• -20°C ... +120°C

order no.	OD	
<b>SKM</b>	<b>ø</b>	<b>PU</b>
0308.000.007*	<b>10.0</b>	50
0308.012.013*	<b>13.0</b>	50
0308.000.009*	<b>14.0</b>	50
0308.012.016*	<b>15.8</b>	50
0308.000.011*	<b>17.0</b>	50
0308.012.019*	<b>18.5</b>	50
0308.000.013*	<b>19.0 - 20.0</b>	50
0308.000.016*	<b>21.0</b>	50
0308.000.021*	<b>27.0 - 29.0</b>	50
0308.000.029*	<b>34.5 - 36.0</b>	50
0308.000.036*	<b>42.5 - 45.0</b>	25
0308.000.048*	<b>54.5 - 57.0</b>	25



**AEROSUSA** INC.

Phone: 717.238.1444 Toll Free: 855.393.9905 service@aerosusa.com

# Terms and Conditions of Sale

## GENERAL

- a) Sales are effected exclusively on the basis of our terms and conditions of sale, which are an integral part of any sales contract.
- b) No addition to or modification of any of the terms and conditions of sale as they appear herein shall be binding upon Aeros USA unless signed in writing by duly authorized representative of Aero USA.
- c) Typographical and clerical errors in quotations, orders and acknowledgements are subject to correction.
- d) We reserve the right to adjust prices in response to changes in the market place. Our price lists and offers shall be binding only within the validity periods that may be specified.
- e) Aeros USA is not responsible to fulfill its obligation under this agreement due to causes beyond its control, or except as agreed herein.

## TITLE

Title to the products of AerosUSA shall remain with AerosUSA until payment is made in full by Customer. Such reservation of title is the purpose of securing the purchase price and shall not relieve Customer of the duty to inspect the products upon receipt, to notify AerosUSA of any deficiencies or defects, and to exercise due care in the use, installation, operation, and maintenance of the products when on the premise of the Customer or under the control of the Customer. Notwithstanding any reservation of title by Aeros USA, risk of loss shall pass to Customer at any time of shipment.

## SHIPMENT, DELIVERY AND INSURANCE

- a) All orders for destination in the mainland United States will be shipped F.O.B. Harrisburg, PA. All destinations, shipping and other charges shall be paid by the Customer in accordance with Aeros USA's current shipping and billing practices.
- b) Shipping is always at recipient's risk. We will only take out transport insurance at the written request of and for the account of the recipient.
- c) The seller shall be entitled to make partial deliveries. If buyer should fail to meet his obligations arising from such partial deliveries without delay (in particular the obligation to pay the relevant purchase price), the seller shall be entitled to postpone further partial deliveries until the purchase price has been paid or after setting an appropriate deadline for payment, to withdraw from the contract in respect of the remaining partial deliveries.
- d) Delivery dates given in the acceptance of any order are approximate. AerosUSA shall not be liable for delays in delivery or in performance due to causes beyond its reasonable control including acts of God, acts of Customer, acts of civil or military authority, fires,

strikes or other labor disturbances, war, riot or delays in transportation. In the event of such delay, the date of delivery or performance shall be extended for a period equal to the time lost by reason of the delay.

## PRICES AND PACKING

- a) Prices in any AerosUSA publication are subject to change without prior notification. Catalog prices are based on prices published in the current price list.
- b) All written quotations are valid for thirty (30) days from the date of quotation.
- c) Customer shall pay all sales, use, excise or similar taxes whenever AerosUSA must itself pay and/or collect such tax from Customer arising out of the sale.
- d) Minimum order value is \$200.00.
- e) Less than standard package quantities are subject to a 33% service charge.

## PAYMENT

- a) Customer agrees to make payment within thirty (30) days of date of the invoice from AerosUSA.
- b) Customer agrees to pay a late payment charge of one and one half percent (1.5% per month, or the maximum late payment charge permitted by applicable law, whichever is less, on any unpaid amount for each calendar month (or fraction thereof) that such payment is in default.
- c) Orders amounting to less than \$200.00 will be billed at \$200.00 plus freight.
- d) In the event of referral to any attorney for collection, reasonable attorney's fees for collection of the overdue amount shall be paid by Customer.
- e) In the event payment is not received within payment terms, any payment discount shall be cancelled.

## CANCELLATION

The cancellation of any order by the Customer requires our express written consent. Complaints about a delivery do not entitle to cancel the remaining deliveries of a particular order.

## RETURN POLICY

- a) Before goods are returned to AerosUSA, a return authorization note must be obtained from AerosUSA.
- b) Returned goods must be suitably packed, as goods damaged in transit or goods which become separated and are not actually received will be refused credit. Furthermore, exception to original package sizes will only be accepted if the goods are faulty or the incorrect items have been supplied.
- c) Any goods returned to AerosUSA without prior authorization and relevant documentation will be refused and returned at the Customer's expense.
- d) Please note that a handling charge of 25% will made on all goods returned, unless otherwise agreed.

# Terms and Conditions of Sale

## Custom Manufactured Parts

Subject to acceptance based upon specific terms and conditions. Contact AerosUSA for details.

## LIMITED WARRANTY

- a) AerosUSA warrants to Customer that the purchases shall be free from defects in material and workmanship under normal use and service for a period of one year from shipment.
- b) Written notice as an explanation of the circumstances of any claim that the goods have proved defective in material or workmanship shall be given promptly by the Customer of AerosUSA.
- c) The goods must be installed and maintained in accordance with our current instructions and recommendations. AerosUSA will not be liable for any misuse, improper operations, improper installation, improper maintenance, alteration, modification, accidental or unusual degradation of the goods due to an unsuitable installation environment.
- d) No representation of other affirmation of facts, including but not limited to statements regarding capacity, suitability for use or performance of the equipment, shall be or be deemed to be a warranty or representation by AerosUSA for any purpose, nor give rise to any liability or obligation of AerosUSA whatsoever.
- e) Customer's sole and exclusive remedy in the event of breach of warranty, as set forth herein, is expressly limited to (1) the correction of the defect by adjustment, repair, modification, or replacement, or (2) issuance of a credit or refund of the purchase price for the defective goods at AerosUSA's election and sole expense.
- f) EXCEPT AS SPECIFICALLY PROVIDED IN THIS AGREEMENT, THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY EXTENDS ONLY TO THE CUSTOMER FROM AEROS USA OR ITS AUTHORIZED DISTRIBUTOR.

## LIMITATION OF LIABILITY

- a) IN NO EVENT, SHALL AEROS USA BE LIABLE FOR LOSS OF PROFITS, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER SIMILAR DAMAGES ARISING OUT OF ANY BREACH OF THIS AGREEMENT OF OBLIGATIONS UNDER THE AGREEMENT.
- b) AEROS USA SHALL NOT BE LIABLE FOR ANY DAMAGES CASUES BY DELAY IN SHIPMENT INSTALLATION OR FURNISHING OF GOODS OR SERVICES UNDER THIS AGREEMENT.
- c) No action arising out of any claimed breach of this Agreement may be brought by either party more than six (6) months after the cause of action has accrued.

## SELLER'S REMEDIES

Should Customer fail to make any payment within ten (10) days of its due date, or fail to perform any other of the Customer's obligation hereunder upon thirty (30) days written notice, or should Customer be or become insolvent or be a party to any bankruptcy receivership proceeding prior to full payment of all amounts payable hereunder, AerosUSA may:

- a) with or without demand or notice to Customer declare the entire amount unpaid immediately due and payable;
- b) enter upon the premises where the goods may be found and remove it (Customer shall assemble the goods and make it available to AerosUSA at a place reasonably convenient to both parties and shall permit and assist AerosUUA in effecting the retaking and removal of the goods); and
- c) sell any or all the goods as permitted under applicable law, applying the proceeds of the sale to payment of the expenses of retaking and selling the goods, reasonably attorney fees and to the satisfaction of all indebtedness then due and unpaid under this Agreement. Any surplus shall be paid to Customer and any deficiency shall be paid to AerosUSA by Customer.

The remedies provided herein shall be cumulative and in addition to all other remedies provided by law or equity or under the Uniform Commercial Code.

## GOVERNING LAW

This agreement will be governed by the Laws of the State of Pennsylvania.

THE CUSTOMER ACKNOWLEDGES THAT HE HAS READ THE AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. FURTHERMORE, THE CUSTOMER AGREES THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES, WHICH SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT.

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**AEROSUSA** INC.

# Security based on Quality



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