

## SFP polyamide rta flexible conduits conduits



637 05

637 34



638 93

**Technical characteristics (p. 310)**

Protect electrical cables in an environment requiring excellent flexibility  
Very good resistance to impacts, chemical agents, and to high and low temperatures

Conform to standard EN 61386-1  
IP 66, IP 68 with weatherproof seal  
Halogen-free polyamide

### Pack Cat.Nos Standard

Black spiral PA 6.6 conduit  
Suitable for the majority of applications for constructing machines and installations  
Conform to standard NF R 13-903  
Supplied by packs of 25 or 50 metres (see packing)

		$\varnothing$ (mm)	
		internal	external
50	637 01	7	10
50	637 02	8	12
50	637 03	12	16
50	637 04	15	20
50	637 05	19	25
25	637 06	25	32
25	637 07	33	40
25	637 08	42	50

### TR

Spiral PA 6.6 conduit covered with a metal braid  
Suitable for harsh conditions with risk of splashing (chips, solder splashes, etc)  
Supplied by packs of 25 or 50 metres (see packing)

		$\varnothing$ (mm)	
		internal	external <sup>(1)</sup>
50	637 32	8	12 / 14.5
50	637 33	12	16 / 18.5
50	637 34	15	20 / 22.5
50	637 35	19	25 / 27.5
25	637 36	25	32 / 34.5
25	637 37	33	40 / 44.5
25	637 38	42	50 / 52.5

### TR protection rings

Fitted on the ends of the metal braid on the SFP TR conduit

External  $\varnothing$  (mm)  
conduit with braid

25	638 92	14.5
25	638 93	18.5
25	638 94	22.5
10	638 95	27.5
10	638 96	34.5
10	638 97	44.5
5	638 98	52.5

(1) Only polyamide conduit/conduit with braid

## SFP polyamide rta flexible conduits connectors and junctions, accessories



637 55

637 85

638 09

638 10

### Pack Cat.Nos Connectors and junctions

Provide excellent tensile strength in static and dynamic applications  
No tools needed when used with SFP standard, robotic and TR polyamide conduits  
Conduit inserted directly, clamped by simply pulling the ring, locked with a 1/4 turn with closing indication  
IP 66, IP 68 with weatherproof seal  
Supplied in a sachet  
Black halogen-free PA 6.6

### Straight and right-angled male connectors

External $\varnothing$ (mm) polyamide conduit	Thread
25	ISO 12
25   15	ISO 16
15   10	ISO 16
15   10	ISO 20
10   10	ISO 20
10   10	ISO 25
10   5	ISO 25
5	ISO 32
5	ISO 40
1	ISO 50

### Right-angled base connectors

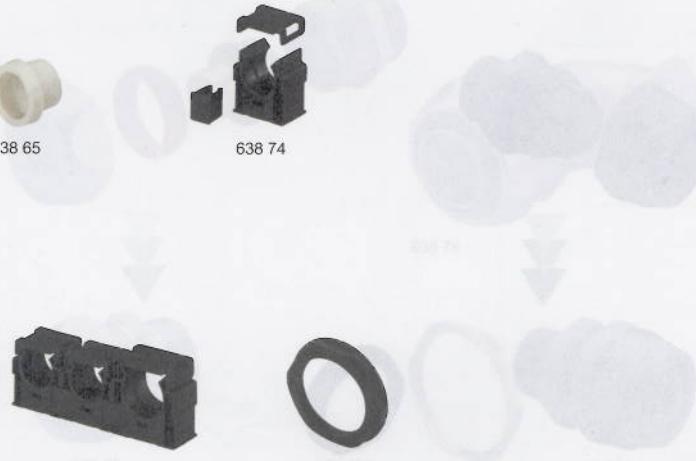
Supplied with joint surface  
External  $\varnothing$  (mm) polyamide conduit:  
40  
50

### Y junctions

External  $\varnothing$  (mm) polyamide conduit:  
12 / 10 - 10  
16 / 12 - 12  
20 / 12 - 12  
20 / 16 - 16  
25 / 20 - 20

## SFP polyamide rta flexible conduits

connectors and junctions, accessories



Example of associated bases

### Pack Cat.Nos Accessories

#### IP 68 weatherproof seals

Fitted at the ends of the conduit to obtain IP 68 with the connectors and junctions  
Supplied in a sachet

External Ø (mm) polyamide conduit:

50	638 61	10
50	638 62	12
50	638 63	16
50	638 64	20
10	638 65	25
10	638 66	32
10	638 67	40
10	638 68	50

#### Snap-fixing bases

Accessory for holding SFP standard and robotic polyamide conduits  
Fixed with screws (not supplied)  
Conduit simply clipped in place and closed with a cover  
Bases can be used with clips supplied  
Supplied in a sachet  
Black PA 6.6

External Ø (mm) conduit (arrival/departure):

25	638 71	10
25	638 72	12
25	638 73	16
10	638 74	20
10	638 75	25
10	638 76	32
5	638 77	40
5	638 78	50

#### Nuts

Hexagonal with conduit support in order to protect the casing surface when tightening  
Black reinforced fibreglass PA 6

50	979 40	ISO 12
50	979 41	ISO 16
50	979 43	ISO 20
50	979 45	ISO 25
25	979 46	ISO 32
25	979 47	ISO 40
25	979 48	ISO 50

## SFP polyamide rta flexible conduits

mounting principle

### Mounting principle

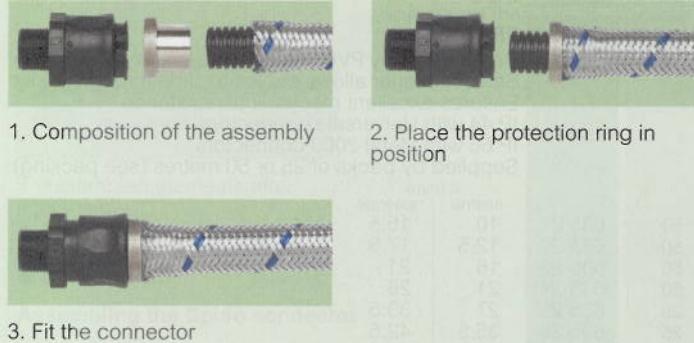
#### Assembling the SFP polyamide rta connector



#### Assembling the weatherproof seal



#### Assembling the TR protection ring



## PVC and metalloplastic rta flexible conduits



### Technical characteristics (p. 312)

Protect electrical cables in a harsh environment requiring good resistance to oils and dilute acids  
 Excellent flexibility  
 FP 2000 PVC and metalloplastic conduits conforming to standard EN 61386-1  
 P2 metalloplastic conduits conforming to standard UL 224

Pack	Cat.Nos	PVC			
<b>FP 2000</b>					
Conduit in grey PVC with reinforcement Smooth interior allows cables to slide through easily Ensures excellent mechanical resistance IP 44 with Universale connectors IP 66 with Metal 2000 connectors Supplied by packs of 25 or 50 metres (see packing)					
		Ø (mm)			
		internal	external		
50	635 21	10	15.5		
50	635 22	12.5	17.5		
50	635 23	16	21		
50	635 24	21	26		
25	635 25	27	33.5		
25	635 26	35.5	42.5		
25	635 27	40.5	48.5		
25	635 29	52	60.5		

### Metalloplastic

Excellent mechanical resistance  
 Electrical continuity guaranteed with Metal 2000 connectors  
 IP 65 with Metal 2000 connectors

#### FA

Single seam connection steel conduit, coated with aspirated grey PVC  
 Supplied by packs of 25 or 50 metres (see packing)

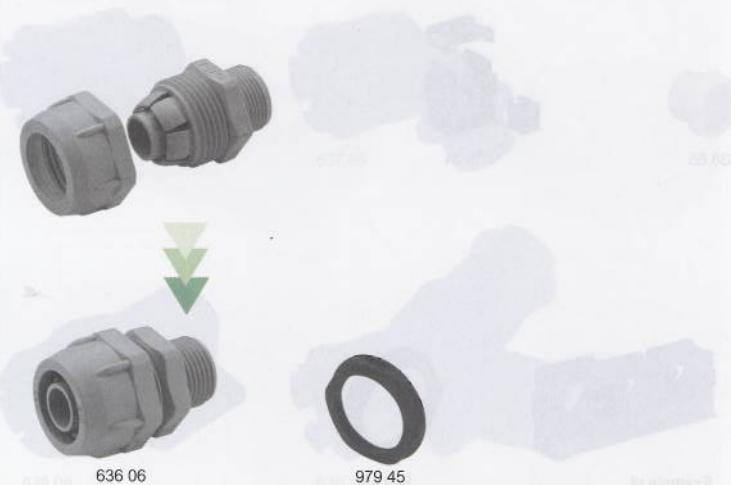
		Ø (mm)	
		internal	external
50	635 41	10	14
50	635 42	12	15.5
50	635 43	15.5	19.5
50	635 44	20.5	24.5
25	635 45	26.5	31.5
25	635 46	34.5	40
25	635 47	39.5	45
25	635 49	50.5	56

#### PN

Single seam connection steel conduit, coated with smooth grey PVC  
 Excellent resistance to wear and abrasion  
 Supplied by packs of 25 or 50 metres (see packing)

		Ø (mm)	
		internal	external
50	635 51	10	15.5
50	635 52	12	18
50	635 53	15.5	21.5
50	635 54	20.5	27
25	635 55	26.5	34
25	635 56	34.5	42.5
25	635 57	39.5	48.5
25	635 59	50.5	61

## connectors for PVC and metalloplastic rta flexible conduits



### Pack Cat.Nos Connectors for PVC conduits

#### Universal straight male connectors

IP 44 with FP 2000 conduit

Supplied in a sachet

Grey reinforced fibreglass PA 6

Pack	Cat.Nos	Ø conduit (mm) min. internal   max. external	Thread
25	636 01	10   16	ISO 16
25	636 02	12   18	ISO 16
25	636 03	12   18	ISO 20
10	636 04	15   21.5	ISO 20
10	636 05	20   26.5	ISO 25
5	636 06	27   33.5	ISO 32
1	636 09	34.5   42.5	ISO 40
1	636 10	39   50	ISO 40
1	636 12	50   61	ISO 50
25	636 21	10   16	PG 9
25	636 22	12   18	PG 11
25	636 23	12   18	PG 13.5
10	636 24	15   21.5	PG 13.5
10	636 25	15   21.5	PG 16
10	636 26	20   26.5	PG 21
5	636 27	27   33.5	PG 29

#### Nuts for universal connectors

Hexagonal with conduit support in order to protect the casing surface when tightening

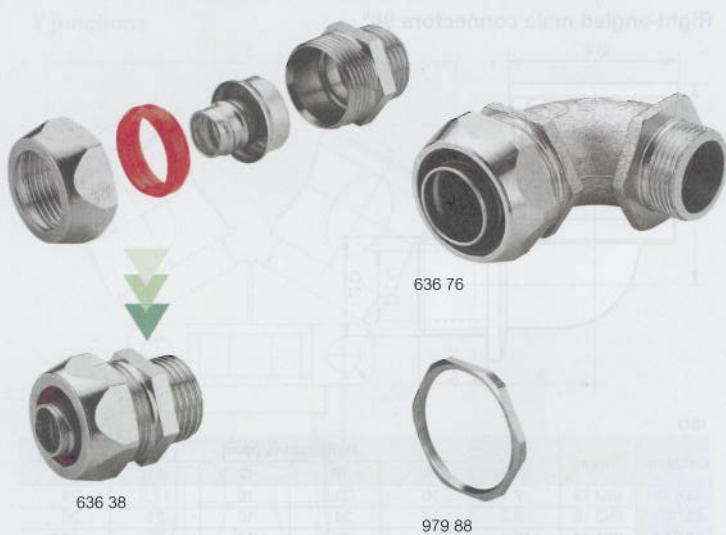
Black reinforced fibreglass PA 6

50	979 41	ISO 16
50	979 43	ISO 20
50	979 45	ISO 25
25	979 46	ISO 32
25	979 47	ISO 40
25	979 48	ISO 50
50	979 51	PG 9
50	979 52	PG 11
50	979 53	PG 13.5
50	979 54	PG 16
50	979 55	PG 21
25	979 56	PG 29

#### Spidò connectors for PN metalloplastic rta flexible conduits (p. 305)

These products are part of Industrial equipment >

## connectors for PVC and metalloplastic rta flexible conduits (continued)

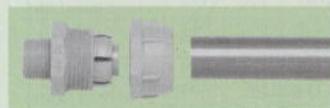


Pack	Cat.Nos	Connectors for FP 2000 PVC and metalloplastic conduits			
		<b>Metal 2000 male connectors</b>			
		Sealing ring providing the IP between the connector and the conduit IP 66 with PVC FP 2000 conduit IP 65 with metalloplastic conduits Tinned steel ferrule screwed inside the metal conduit to ensure electrical continuity and protection of cables Supplied in a sachet. Nickel-plated brass			
		Straight	Right-angled	Internal Ø (mm) conduit	Thread
1	636 31	636 71		10	ISO 16
1	636 32	636 72		12	ISO 16
1	636 33	636 73		12	ISO 20
1	636 35	636 74		15.5	ISO 20
1	636 37	636 75		20.5	ISO 25
1	636 38			26.5	ISO 25
1	636 39	636 76		26.5	ISO 32
1	636 40	636 77		34.5	ISO 40
1	636 41	636 78		39.5	ISO 50
1	636 42	636 79		50.5	ISO 63
1	636 52	636 82		10	PG 9
1	636 53	636 83		10	PG 11
1	636 55	636 84		12	PG 11
1	636 58	636 86		15.5	PG 13.5
1	636 59	636 87		15.5	PG 16
1	636 60	636 88		20.5	PG 21
1	636 61	636 89		26.5	PG 29
1	636 62	636 90		34.5	PG 36
1	636 63	636 91		39.5	PG 42
1	636 64	636 92		50.5	PG 48
<b>Nuts for metal connectors</b>					
50	979 81				ISO 16
50	979 83				ISO 20
50	979 85				ISO 25
50	979 86				ISO 32
25	979 87				ISO 40
10	979 88				ISO 50
10	979 89				ISO 63
50	979 91				PG 9
50	979 92				PG 11
50	979 93				PG 13.5
50	979 94				PG 16
50	979 95				PG 21
25	979 96				PG 29
25	979 97				PG 36
10	979 98				PG 42
10	979 99				PG 48

## PVC and metalloplastic rta flexible conduits mounting principle

### ■ Mounting principle

#### Assembling the Universale connector



1. Composition of the assembly



2. Clamp ring run along and conduit inserted



3. Assembled elements after tightening

### ■ Installation

#### Assembling the Metal 2000 connector



1. Composition of the assembly



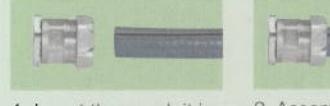
2. Clamp and sealing rings run along then ferrule screwed inside the metal conduit



3. Assembled elements after tightening

### ■ Installation

#### Assembling the Spido connector



1. Insert the conduit in the connector



2. Assembled elements after tightening