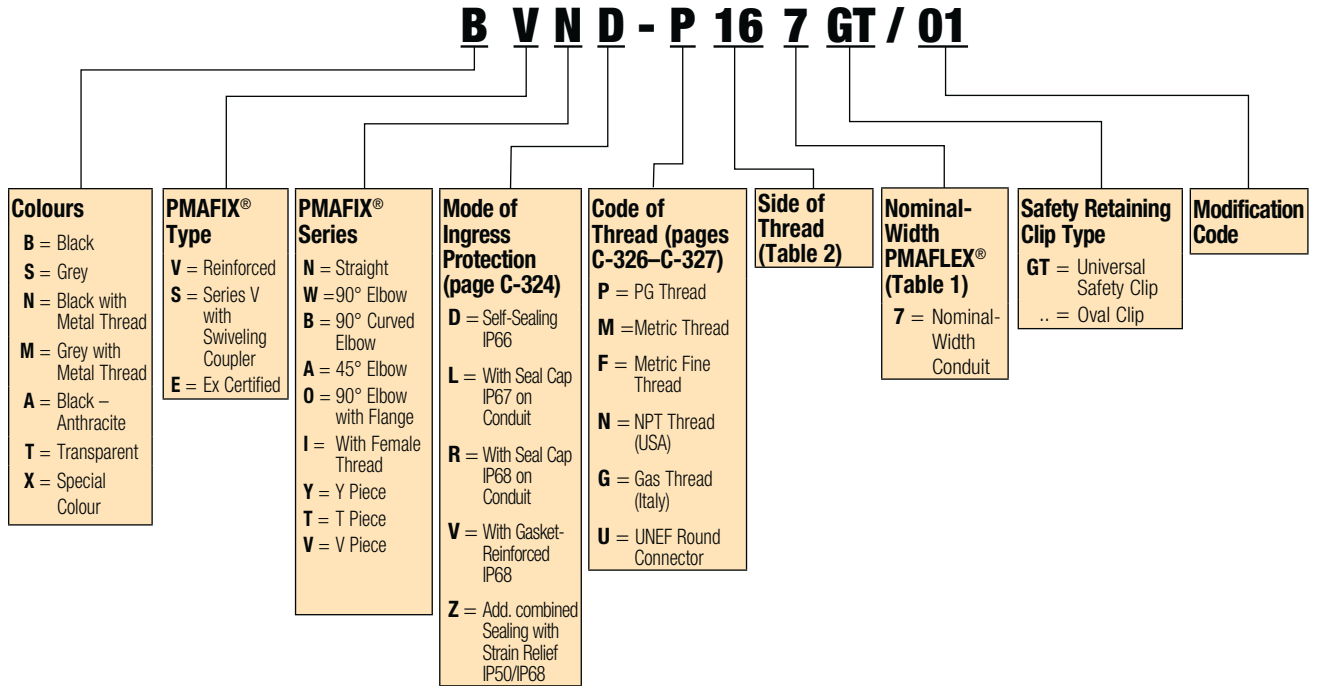
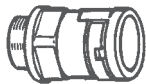


## Connectors for Nylon Flexible Conduits

### PMAFIX<sup>®</sup> Connectors



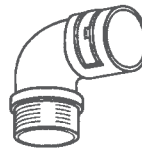
### PMAFIX<sup>®</sup> Connector Series



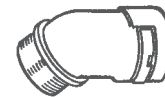
Series N



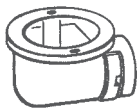
Series W



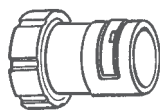
Series B



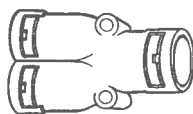
Series A



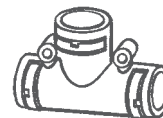
Series O



Series I



Series Y



Series T



Series V

## Connectors for Nylon Flexible Conduits

### Thread Codes

**Table 1**  
PMAFIX<sup>®</sup>/PMAFLEX<sup>®</sup> Code

NOMINAL WIDTH	UK SIZES	PMA CODE
7	10	M
10	12	0
12	16	2
17	20	7
23	25	3
29	32	9
36	40	6
48	50	8

**Types of Connector for Female Thread Adapters**

TYPE	PMA CODE
AMP	A
Souriau (ex BURNDY)	B
With O-Ring Groove (MIL C 5015)	G

**Table 2**  
Thread Codes

THREAD METRIC	PMA CODE	THREAD PG	PMA CODE	THREAD GAS	PMA CODE	THREAD NPT	PMA CODE	THREAD UNEF	PMA CODE
M12x1.5	M12	PG07	P07	G ¼"	G00			⅜-28 UNEF	U09
M16x1.5	M16	PG09	P09	G ⅜"	G01			7/16-28 UNEF	U10
M20x1.5	M20	PG11	P11	G ½"	G02	N ½"	N02	½-28 UNEF	U12
		PG13.5	P13	G ¾"	G04	N ¾"	N04	9/16-24 UNEF	U13
M25x1.5	M25	PG16	P16	G 1"	G06	N 1"	N06	5/8-24 UNEF	U15
M32x1.5	M32	PG21	P21	G 1¼"	G07	N 1¼"	N07	11/16-24 UNEF	U16
M40x1.5	M40	PG29	P29	G 1½"	G08	N 1½"	N08	¾-20 UNEF	U18
M50x1.5	M50	PG36	P36	G 2"	G09	N 2"	N09	13/16-20 UNEF	U20
M63x1.5	M63	PG42	P42	G 2¼"	G10			7/8-20 UNEF	U21
		PG48	P48	G 2½"	G11			15/16-20 UNEF	U23
								1-20 UNEF	U24
M 8x1.0	F08							11/16-18 UNEF	U26
M12x1.0	F12							13/16-18 UNEF	U29
M18x1.0	F18							1¼-18 UNEF	U30
M30x1.5	F30							13/16-18 UNEF	U32
								13/8-18 UNEF	U34
								17/16-18 UNEF	U35
								15/8-18 UNEF	U40
								111/16-20 UN	U41
								1¼-18 UNS	U43
								2-18 UNS	U50
								2¼-16 UN	U56
						23/8-12 UN	U57		
						2½-16 UN	U62		

## Connectors for Nylon Flexible Conduits

### PMAFIX<sup>®</sup> Connector Safety and Sealing Systems

#### IP66 — IP66 Static, IP54 Dynamic

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



#### IP68GT — IP68 static, IP67 dynamic, IP69K

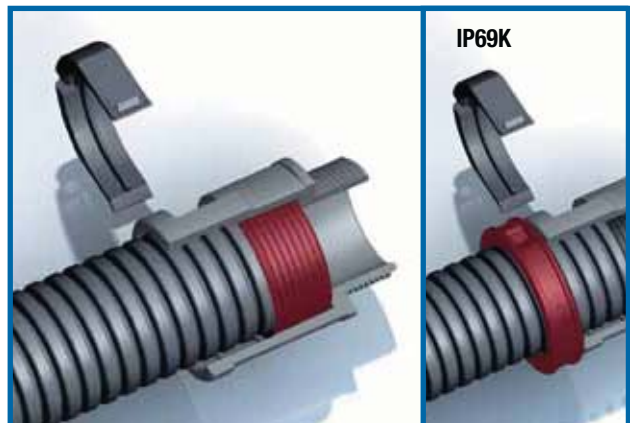
- Single-piece PMAFIX<sup>®</sup> IP68GT fitting with integrated sealing cap and pre-installed locking clip
- Simple push-in assembly (as with the proven PMAFIX<sup>®</sup> IP66 system)
- Extra-long sealing cap guarantees the highest level of ingress protection
- Compatible with all types of PMA<sup>®</sup> conduits
- Identical approvals as with the PMAFIX<sup>®</sup> IP68 system
- The complete PMAFIX<sup>®</sup> IP68 product range is available as a GT single-component version
- Fast modification of specification drawings through simple addition of “GT” to the existing order number (e.g. BVNV-M257 becomes BVNV-M257GT)

**NEW!**



#### IP68 — IP68 static, IP67 dynamic, IP69K

- High sealing through additional seal cap
- For highest dynamic applications
- Fits any type of conduit profile (T and G)
- Excellent pull-out strength
- Re-opening only possible with a screwdriver for safety reasons
- Additional water-protection ring WPS for IP69K ingress protection in conjunction with the IP68 system
- To be applied right after the IP68 connector onto the conduit



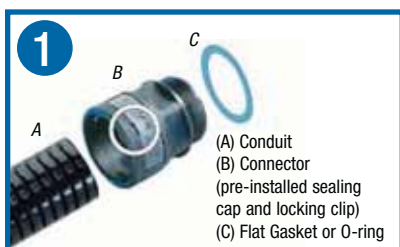
## Connectors for Nylon Flexible Conduits

### IP66 Installation



### Locking clip pre-installed in all IP66 connectors

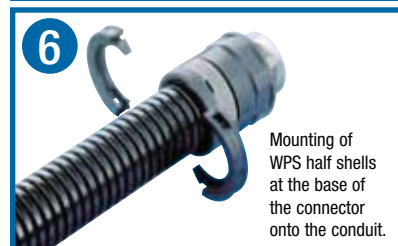
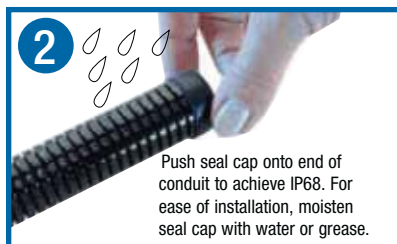
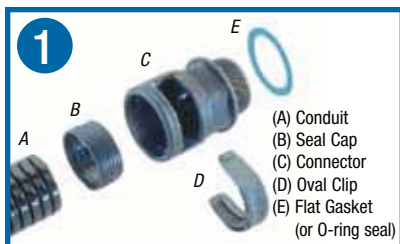
### IP68GT Installation



### Pre-installed sealing cap and locking clip in all IP68GT connectors

*\*For safety reasons, oval clip will not fit if seal cap is not fully installed. Follow O-ring manufacturer's guidelines when using O-rings for sealing purposes.*

### IP68 Installation (IP69K)



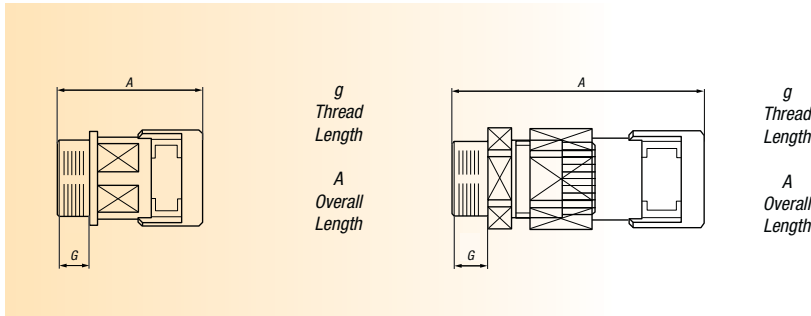
*\*For safety reasons, oval clip will not fit if seal cap is not fully installed. Follow O-ring manufacturer's guidelines when using O-rings for sealing purposes.*

## Connectors for Nylon Flexible Conduits

### VN Straight, Metric, Polyimide

The designation PMAFIX® describes a very large range of connectors for PMA conduits with the patented PMA® safety clip system. Connectors are available for ingress protection IP66 and IP68. IP66 connectors are fitted with a pre-installed universal safety clip that ensures a quick push-in installation. IP68 connectors for increased requirements will be delivered with a special conduit seal cap. The new PMAFIX IP68GT fittings combine simplest push-in assembly with highest sealing performance.

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Can be easily re-opened with a screwdriver
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD METRIC	FITS TO CONDUIT		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
_VND-M12MGT	_VNV-M12M	M12x1.5	7	10	11.0mm	34.5mm
_VND-M120GT	_VNV-M120	M12x1.5	10	12	11.0mm	36.5mm
_VND-M160GT	_VNV-M160	M16x1.5	10	12	11.0mm	36.5mm
_VND-M162GT	_VNV-M162	M16x1.5	12	16	11.0mm	39.5mm
_VND-M200GT	_VNV-M200	M20x1.5	10	12	11.0mm	36.5mm
_VND-M202GT	_VNV-M202	M20x1.5	12	16	11.0mm	39.5mm
_VND-M207GT	_VNV-M207	M20x1.5	17	20	11.0mm	47.5mm
_VND-M203GT	_VNV-M203	M20x1.5	23	25	11.0mm	51.0mm
_VND-M257GT	_VNV-M257	M25x1.5	17	20	12.0mm	48.5mm
_VND-M253GT	_VNV-M253	M25x1.5	23	25	12.0mm	52.0mm
_VND-M323GT	_VNV-M323	M32x1.5	23	25	15.0mm	55.5mm
_VND-M329GT	_VNV-M329	M32x1.5	29	32	15.0mm	56.0mm
_VND-M409GT	_VNV-M409	M40x1.5	29	32	19.0mm	60.0mm
_VND-M406GT	_VNV-M406	M40x1.5	36	40	19.0mm	72.5mm
_VND-M506GT	_VNV-M506	M50x1.5	36	40	19.0mm	72.0mm
_VND-M508GT	_VNV-M508	M50x1.5	48	50	19.0mm	72.5mm
_VND-M638GT	_VNV-M638	M63x1.5	48	50	19.0mm	72.0mm

— = Insert "B" to order black or "S" to order grey.

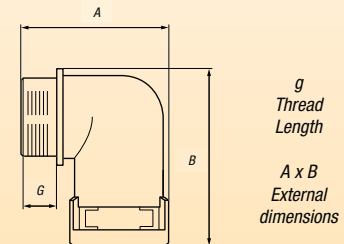
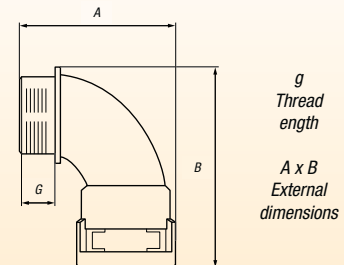
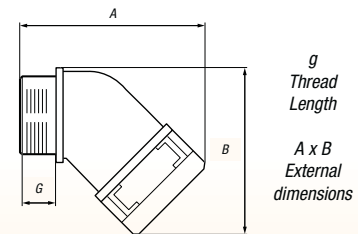
▲ IP68GT available. Please add "GT" after the catalogue no.  
(Functional description PMAFIX IP68GT, pages 28–29).



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



## Connectors for Nylon Flexible Conduits

### VNZ Straight, Metric, Strain Relief, Polyamide

- For cable protection systems in a wide range of applications
- For separation of damp and dry areas
- High-grade formulated polyamide 6, very high impact resistance
- Easy installation: simply push the conduit in
- High conduit pull-out strength
- Integrated strain relief optimally holds and seals cables
- If several conductors are used with the connector, multiple sealing inserts should be considered
- Very good chemical properties, free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2), strain-relief insert
- IP68GT: Fitting with pre-assembled universal clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), strain-relief insert, conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD METRIC	FITS TO CONDUIT		TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
			NW	METRIC			
_VNDZ-M160GT	—	M16x1.5	10	12	5.0–10.0mm	8.0mm	62.0mm
_VNDZ-M162GT	_VNZ-M162S	M16x1.5	12	16	5.0–10.0mm	8.0mm	62.0mm
_VNDZ-M207GT	_VNZ-M207S	M20x1.5	17	20	10.0–14.0mm	8.0mm	71.5mm
_VNDZ-M253GT	_VNZ-M253S	M25x1.5	23	25	13.0–18.0mm	8.0mm	81.0mm
_VNDZ-M329GT	_VNZ-M329S	M32x1.5	29	32	18.0–25.0mm	10.0mm	85.0mm
_VNDZ-M406GT	_VNZ-M406S	M40x1.5	36	40	22.0–32.0mm	10.0mm	116.5mm
_VNDZ-M508GT	_VNZ-M508S	M50x1.5	48	50	30.0–38.0mm	12.0mm	120.5mm
_VNDZ-M638GT	_VNZ-M638S	M63x1.5	48	50	34.0–44.0mm	12.0mm	120.5mm

\_ = Insert "B" to order black or "S" to order grey.

**Note:** MDE multiple sealing inserts are available for this product.

▲ IP68GT available. Please replace final "S" with "GT". (Functional description PMAFIX IP68GT, pages 28–29).

### VA 45° Elbow, Metric, Polyamide

- For cable protection systems in a wide range of applications
- High-grade specially formulated polyamide 6
- Extremely high impact resistance
- Vibration-proof connection to PMAFLEX conduits
- Easy installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seals (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD METRIC	FITS TO CONDUIT		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VAD-M120GT	—	M12x1.5	10	12	11.0mm	43.5 x 37.0mm
_VAD-M160GT	_VAV-M160	M16x1.5	10	12	11.0mm	43.5 x 38.0mm
_VAD-M162GT	_VAV-M162	M16x1.5	12	16	11.0mm	48.0 x 40.0mm
_VAD-M202GT	_VAV-M202	M20x1.5	12	16	11.0mm	48.0 x 41.5mm
_VAD-M207GT	_VAV-M207	M20x1.5	17	20	11.0mm	55.5 x 51.5mm
_VAD-M253GT	_VAV-M253	M25x1.5	23	25	12.0mm	65.0 x 58.5mm
_VAD-M329GT	_VAV-M329	M32x1.5	29	32	15.0mm	73.5 x 66.5mm
_VAD-M406GT	_VAV-M406	M40x1.5	36	40	19.0mm	92.5 x 85.5mm
_VAD-M506GT	_VAV-M506	M50x1.5	36	40	19.0mm	92.5 x 89.5mm
_VAD-M508GT	_VAV-M508	M50x1.5	48	50	19.0mm	100.0 x 96.0mm
_VAD-M638GT	_VAV-M638	M63x1.5	48	50	19.0mm	100.0 x 104.0mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VB 90° Curved Elbow, Metric, Polyamide

- For cable protection systems in a wide range of applications
- High-grade specially formulated polyamide
- Easy installation, high conduit pull-out strength
- Easy threading of wires and cables
- Self extinguishing
- Free from halogens and phosphor
- Excellent impact strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VBD-M207GT	_VBV-M207	M20x1.5	17	20	11.0mm	47.5 x 73.0mm
_VBD-M257GT	_VBV-M257	M25x1.5	17	20	12.0mm	48.5 x 76.0mm
_VBD-M253GT	_VBV-M253	M25x1.5	23	25	12.0mm	57.5 x 83.0mm
_VBD-M323GT	_VBV-M323	M32x1.5	23	25	15.0mm	61.0 x 87.5mm
_VBD-M329GT	_VBV-M329	M32x1.5	29	32	15.0mm	70.5 x 93.0mm
_VBD-M409GT	_VBV-M409	M40x1.5	29	32	19.0mm	74.5 x 98.5mm
_VBD-M406GT	_VBV-M406	M40x1.5	36	40	19.0mm	85.0 x 121.0mm
_VBD-M506GT	_VBV-M506	M50x1.5	36	40	19.0mm	85.0 x 125.0mm
_VBD-M508GT	_VBV-M508	M50x1.5	48	50	19.0mm	98.5 x 130.0mm
_VBD-M638GT	_VBV-M638	M63x1.5	48	50	19.0mm	98.5 x 138.0mm

\_ = Insert with "B" to order black or "S" to order grey.

For smaller conduit sizes NW 07 to NW 12, appropriate standard elbows of type VW are available.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, (pages 28–29).

### VW 90° Elbow, Metric, Polyamide

- For cable protection systems in a wide range of applications
- High-grade specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX conduits
- Easy installation: simply push the conduit in
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VWD-M12MGT	_VWV-M12M	M12x1.5	7	10	11.0mm	32.0 x 35.0mm
_VWD-M120GT	_VWV-M120	M12x1.5	10	12	11.0mm	34.0 x 39.5mm
_VWD-M160GT	_VWV-M160	M16x1.5	10	12	11.0mm	34.0 x 40.5mm
_VWD-M162GT	_VWV-M162	M16x1.5	12	16	11.0mm	38.5 x 46.0mm
_VWD-M200GT	—	M20x1.5	10	12	11.0mm	34.0 x 42.5mm
_VWD-M202GT	_VWV-M202	M20x1.5	12	16	11.0mm	38.5 x 47.5mm
_VWD-M207GT	_VWV-M207	M20x1.5	17	20	11.0mm	43.5 x 58.5mm
_VWD-M253GT	_VWV-M253	M25x1.5	23	25	12.0mm	54.0 x 65.0mm
_VWD-M329GT	_VWV-M329	M32x1.5	29	29	15.0mm	64.5 x 73.0mm
_VWD-M406GT	_VWV-M406	M40x1.5	36	36	19.0mm	78.0 x 96.0mm
_VWD-M508GT	_VWV-M508	M50x1.5	48	48	19.0mm	91.5 x 106.0mm

\_ = Insert with "B" to order black or "S" to order grey.

For the sizes NW 17 to NW 48, curved elbows of type VB are available.

▲ IP68GT available. Please add "GT" after the Catalog no. (Functional description PMAFIX IP68GT, (pages 28–29).

## Connectors for Nylon Flexible Conduits

### VN Straight, Metric, Metal

- Use in railway vehicle and heavy machine construction
- High-grade specially formulated polyamide, thread made of nickel-plated brass
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4 or OR)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4 or OR)



CAT. NO. IP68, BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
NVNV-M120-10	MVNV-M120-10	M12x1.5	10	12	10.0mm	40.0mm
NVNV-M120-5	MVNV-M120-5	M12x1.5	10	12	5.0mm	35.0mm
NVNV-M160-10	MVNV-M160-10	M16x1.5	10	12	10.0mm	40.0mm
NVNV-M160-5	MVNV-M160-5	M16x1.5	10	12	5.0mm	35.0mm
NVNV-M162-10	MVNV-M162-10	M16x1.5	12	16	10.0mm	43.0mm
NVNV-M162-5	MVNV-M162-5	M16x1.5	12	16	5.0mm	38.0mm
NVNV-M202-10	MVNV-M202-10	M20x1.5	12	16	10.0mm	43.0mm
NVNV-M202-6	MVNV-M202-6	M20x1.5	12	16	6.0mm	39.0mm
NVNV-M207-10	MVNV-M207-10	M20x1.5	17	20	10.0mm	51.0mm
NVNV-M207-6	MVNV-M207-6	M20x1.5	17	20	6.0mm	47.0mm
NVNV-M257-11	MVNV-M257-11	M25x1.5	17	20	11.0mm	52.0mm
NVNV-M257-7	MVNV-M257-7	M25x1.5	17	20	7.0mm	48.0mm
NVNV-M253-11	MVNV-M253-11	M25x1.5	23	25	11.0mm	54.0mm
NVNV-M253-7	MVNV-M253-7	M25x1.5	23	25	7.0mm	50.0mm
NVNV-M323-13	MVNV-M323-13	M32x1.5	23	25	13.0mm	56.0mm
NVNV-M323-8	MVNV-M323-8	M32x1.5	23	25	8.0mm	51.0mm
NVNV-M329-13	MVNV-M329-13	M32x1.5	29	32	13.0mm	57.3mm
NVNV-M329-8	MVNV-M329-8	M32x1.5	29	32	8.0mm	52.3mm
NVNV-M409-13	MVNV-M409-13	M40x1.5	29	32	13.0mm	57.3mm
NVNV-M409-8	MVNV-M409-8	M40x1.5	29	32	8.0mm	52.3mm
NVNV-M406-13	MVNV-M406-13	M40x1.5	36	40	13.0mm	71.4mm
NVNV-M406-8	MVNV-M406-8	M40x1.5	36	40	8.0mm	66.4mm
NVNV-M506-14	MVNV-M506-14	M50x1.5	36	40	14.0mm	72.4mm
NVNV-M506-9	MVNV-M506-9	M50x1.5	36	40	9.0mm	67.4mm
NVNV-M508-14	MVNV-M508-14	M50x1.5	48	50	14.0mm	72.4mm
NVNV-M508-9	MVNV-M508-9	M50x1.5	48	50	9.0mm	67.4mm
NVNV-M638-14	MVNV-M638-14	M63x1.5	48	50	14.0mm	72.4mm
NVNV-M638-10	MVNV-M638-10	M63x1.5	48	50	10.0mm	68.4mm

▲ IP68GT available. Please add "GT" prior to the thread length (for example, NVNV-M120GT-10).  
(Functional description PMAFIX IP68GT, pages 28-29).



## Connectors for Nylon Flexible Conduits

### VNZ Straight, Metric, Strain Relief, Metal



CAT. NO. COMPLETE, BLACK ▲	CAT. NO. FITTING * ▲	CAT. NO. INSERT	THREAD METRIC	FITS TO CONDUIT SIZE		TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
				NW	METRIC			
NVNZ-M120S/P1	NVNZ-M120R/P	DE-M120/P1	M12x1.5	10	12	4.0–6.5mm	5.0mm	48.5mm
NVNZ-M120S/P2		DE-M120/P2	M12x1.5	10	12	5.0–8.0mm	5.0mm	48.5mm
NVNZ-M120S/P3		DE-M120/P3	M12x1.5	10	12	6.5–9.5mm	5.0mm	48.5mm
NVNZ-M160S/P1	NVNZ-M160R/P	DE-M160/P1	M16x1.5	10	12	4.0–6.5mm	6.0mm	49.5mm
NVNZ-M160S/P2		DE-M160/P2	M16x1.5	10	12	5.0–8.0mm	6.0mm	49.5mm
NVNZ-M160S/P3		DE-M160/P3	M16x1.5	10	12	6.5–9.5mm	6.0mm	49.5mm
NVNZ-M202S/P1	NVNZ-M202R/P	DE-M202/P1	M20x1.5	12	16	4.0–6.5mm	6.0mm	54.0mm
NVNZ-M202S/P3		DE-M202/P3	M20x1.5	12	16	6.5–9.5mm	6.0mm	54.0mm
NVNZ-M202S/P4		DE-M202/P4	M20x1.5	12	16	7.0–10.5mm	6.0mm	4.0mm
NVNZ-M207S/P3	NVNZ-M207R/P	DE-M207/P3	M20x1.5	17	20	6.5–9.5mm	6.5mm	60.0mm
NVNZ-M207S/P4		DE-M207/P4	M20x1.5	17	20	7.0–10.5mm	6.5mm	60.0mm
NVNZ-M207S/P5		DE-M207/P5	M20x1.5	17	20	9.0–13.0mm	6.5mm	60.0mm
NVNZ-M253S/P5	NVNZ-M253R/P	DE-M253/P5	M25x1.5	23	25	9.0–13.0mm	7.5mm	72.5mm
NVNZ-M253S/P6		DE-M253/P6	M25x1.5	23	25	11.5–15.5mm	7.5mm	72.5mm
NVNZ-M257S/P4	NVNZ-M257R/P	DE-M257/P4	M25x1.5	17	20	7.0–10.0mm	7.5mm	61.5mm
NVNZ-M257S/P5		DE-M257/P5	M25x1.5	17	20	9.0–13.0mm	7.5mm	61.5mm
NVNZ-M257S/P6		DE-M257/P6	M25x1.5	17	20	11.5–15.5mm	7.5mm	61.5mm
NVNZ-M323S/P4	NVNZ-M323R/P	DE-M323/P4	M32x1.5	23	25	14.0–18.0mm	8.0mm	73.0mm
NVNZ-M323S/P5	NVNZ-M323R1/P	DE-M323/P5	M32x1.5	23	25	17.0–20.5mm	8.0mm	73.0mm
NVNZ-M329S/P2	NVNZ-M329R/P	DE-M329/P2	M32x1.5	29	32	14.0–18.0mm	8.0mm	73.0mm
NVNZ-M329S/P3		DE-M329/P3	M32x1.5	29	32	17.0–20.5mm	8.0mm	73.0mm
NVNZ-M329S/P4		DE-M329/P4	M32x1.5	29	32	20.0–25.0mm	8.0mm	73.0mm
NVNZ-M406S/P1	NVNZ-M406R/P	DE-M406/P1	M40x1.5	36	40	20.0–25.0mm	9.0mm	87.0mm
NVNZ-M406S/P2		DE-M406/P2	M40x1.5	36	40	24.0–28.0mm	9.0mm	87.0mm
NVNZ-M409S/P1	NVNZ-M409R/P	DE-M409/P1	M40x1.5	29	32	11.5–15.5mm	8.0mm	73.0mm
NVNZ-M409S/P2		DE-M409/P2	M40x1.5	29	32	14.0–18.0mm	8.0mm	73.0mm
NVNZ-M409S/P3		DE-M409/P3	M40x1.5	29	32	17.0–20.5mm	8.0mm	73.0mm
NVNZ-M409S/P4		DE-M409/P4	M40x1.5	29	32	20.0–25.0mm	8.0mm	73.0mm
NVNZ-M409S/P5		DE-M409/P5	M40x1.5	29	32	24.0–28.0mm	8.0mm	73.0mm
NVNZ-M506S/P1	NVNZ-M506R/P	DE-M506/P1	M50x1.5	36	40	27.0–32.0mm	9.0mm	89.5mm
NVNZ-M506S/P3		DE-M506/P3	M50x1.5	36	40	32.0–36.0mm	9.0mm	89.5mm
NVNZ-M508S/P2	NVNZ-M508R/P	DE-M508/P2	M50x1.5	48	50	32.0–36.0mm	9.0mm	92.0mm
NVNZ-M508S/P3		DE-M508/P3	M50x1.5	48	50	36.0–40.0mm	9.0mm	92.0mm
NVNZ-M638S/P1	NVNZ-M638R/P	DE-M638/P1	M63x1.5	48	50	35.0–40.0mm	10.0mm	90.5mm
NVNZ-M638S/P2		DE-M638/P2	M63x1.5	48	50	39.0–44.0mm	10.0mm	90.5mm

\* = without insert

Note: MDE multiple sealing inserts are available for this product.

▲ IP68GT available. Please replace "S" or "R" with "GT" (for example, NVNZ-M120GT/P1, NVNZ-M120GT/P).

(Functional description PMAFIX IP68GT, pages 28–29).

- Use in railway vehicle and heavy machine construction and for the separation of damp and dry areas
- High-grade, specially formulated polyamide 6, thread made of nickel-plate brass, sealing inserts are made from TPE-V
- Very high impact resistance
- Integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)
- High thread and system connection strength
- Vibration-resistant connection to PMAFLEX conduits
- Easy assembly
- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Excellent impact strength
- Fits fine (T) and coarse (G) conduit profiles
- For several conductors, multiple sealing inserts are available (MDE)

Temperature range: -40° C to 105° C;  
Short term to 135° C

**Content of delivery:**

IP68GT:

Complete: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); sealing insert, O-ring (OR)

Fitting\*:

Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); O-ring (OR)

IP68:

Complete: Fitting with oval clips (OVN2), sealing insert, conduit seal (NVN3), O-ring (OR)

Fitting\*:

Fitting with oval clips (OVN2), conduit seal (NVN3), O-ring (OR)

## Connectors for Nylon Flexible Conduits

### VNZ Straight, Metric, Strain Relief, Metal (continued)



CAT. NO. ▲ COMPLETE, BLACK	CAT. NO. ▲ FITTING *	CAT. NO. INSERT	THREAD METRIC	FITS TO CONDUIT SIZE		TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
				NW	METRIC			
NVNZ-M160S/P1-L	NVNZ-M160R/ P-L	DE-M160/P1	M16x1.5	10	12	4.0–6.5mm	15.0mm	58.5mm
NVNZ-M160S/P2-L		DE-M160/P2	M16x1.5	10	12	5.0–8.0mm	15.0mm	58.5mm
NVNZ-M160S/P3-L		DE-M160/P3	M16x1.5	10	12	6.5–9.5mm	15.0mm	58.5mm
NVNZ-M202S/P1-L	NVNZ-M202R/ P-L	DE-M202/P1	M20x1.5	12	16	4.0–6.5mm	15.0mm	62.5mm
NVNZ-M202S/P3-L		DE-M202/P3	M20x1.5	12	16	6.5–9.5mm	15.0mm	62.5mm
NVNZ-M202S/P4-L		DE-M202/P4	M20x1.5	12	16	7.0–10.5mm	15.0mm	62.5mm
NVNZ-M207S/P3-L	NVNZ-M207R/ P-L	DE-M207/P3	M20x1.5	17	20	6.5–9.5mm	15.0mm	68.5mm
NVNZ-M207S/P4-L		DE-M207/P4	M20x1.5	17	20	7.0–10.5mm	15.0mm	68.5mm
NVNZ-M207S/P5-L		DE-M207/P5	M20x1.5	17	20	9.0–13.0mm	15.0mm	68.5mm
NVNZ-M257S/P5-L	NVNZ-M257R/ P-L	DE-M257/P5	M25x1.5	17	20	9.0–13.0mm	15.0mm	69.0mm
NVNZ-M257S/P6-L		DE-M257/P6	M25x1.5	17	20	11.5–15.5mm	15.0mm	69.0mm
NVNZ-M323S/P4-L	NVNZ-M323R/ P-L	DE-M323/P4	M32x1.5	23	25	14.0–18.0mm	15.0mm	80.0mm
NVNZ-M323S/P5-L	NVNZ-M323R1/ P-L	DE-M323/P5	M32x1.5	23	25	17.0–20.5mm	15.0mm	80.0mm
NVNZ-M329S/P2-L	NVNZ-M329R/ P-L	DE-M329/P2	M32x1.5	29	32	14.0–18.0mm	15.0mm	91.0mm
NVNZ-M329S/P3-L		DE-M329/P3	M32x1.5	29	32	17.0–20.5mm	15.0mm	91.0mm
NVNZ-M409S/P3-L	NVNZ-M409R/ P-L	DE-M409/P3	M40x1.5	29	32	17.0–20.5mm	15.0mm	80.0mm
NVNZ-M409S/P4-L		DE-M409/P4	M40x1.5	29	32	20.0–25.0mm	15.0mm	80.0mm
NVNZ-M409S/P5-L		DE-M409/P5	M40x1.5	29	32	24.0–28.0mm	15.0mm	80.0mm
NVNZ-M506S/P1-L	NVNZ-M506R/ P-L	DE-M506/P1	M50x1.5	36	40	27.0–32.0mm	15.0mm	94.5mm
NVNZ-M506S/P3-L		DE-M506/P3	M50x1.5	36	40	32.0–36.0mm	15.0mm	94.5mm
NVNZ-M508S/P2-L	NVNZ-M508R/ P-L	DE-M508/P2	M50x1.5	48	50	32.0–36.0mm	15.0mm	97.0mm
NVNZ-M508S/P3-L		DE-M508/P3	M50x1.5	48	50	36.0–40.0mm	15.0mm	97.0mm
NVNZ-M638S/P1-L	NVNZ-M638R/ P-L	DE-M638/P1	M63x1.5	48	50	35.0–40.0mm	15.0mm	95.5mm
NVNZ-M638S/P2-L		DE-M638/P2	M63x1.5	48	50	39.0–44.0mm	15.0mm	95.5mm

▲ without insert

**Note:** MDE multiple sealing inserts are available for this product.

IP68GT available. Please replace "S" or "R" with "GT" (for example, NVNZ-M120GT/P1).

(Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VA 45° Elbow, Metric, Metal

- Use in railway vehicle and heavy machine construction
- Specially formulated polyamide 6, nickel-plated brass thread
- Very high impact resistance
- High thread and system connection strength
- Vibration-proof connection to PMAFLEX conduits
- Easy assembly



CAT. NO. IP68, BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVAV-M120-10	MVAV-M120-10	M12x1.5	10	12	10.0mm	48.5 x 37.0mm
NVAV-M120-5	MVAV-M120-5	M12x1.5	10	12	5.0mm	43.5 x 37.0mm
NVAV-M162-10	MVAV-M162-10	M16x1.5	12	16	10.0mm	53.0 x 40.5mm
NVAV-M162-5	MVAV-M162-5	M16x1.5	12	16	5.0mm	48.0 x 40.5mm
NVAV-M207-10	MVAV-M207-10	M20x1.5	17	20	10.0mm	60.5 x 51.5mm
NVAV-M207-6	MVAV-M207-6	M20x1.5	17	20	6.0mm	56.5 x 51.5mm
NVAV-M253-11	MVAV-M253-11	M25x1.5	23	25	11.0mm	70.0 x 60.5mm
NVAV-M253-7	MVAV-M253-7	M25x1.5	23	25	7.0mm	66.0 x 60.5mm
NVAV-M257-11	MVAV-M257-11	M25x1.5	17	20	11.0mm	61.5 x 54.5mm
NVAV-M323-13	MVAV-M323-13	M32x1.5	23	25	13.0mm	72.0 x 64.5mm
NVAV-M329-13	MVAV-M329-13	M32x1.5	29	32	13.0mm	77.0 x 68.0mm
NVAV-M329-8	MVAV-M329-8	M32x1.5	29	32	8.0mm	72.0 x 68.0mm
NVAV-M406-13	MVAV-M406-13	M40x1.5	36	40	13.0mm	94.0 x 87.5mm
NVAV-M406-8	MVAV-M406-8	M40x1.5	36	40	8.0mm	89.0 x 87.5mm
NVAV-M409-13	MVAV-M409-13	M40x1.5	29	32	13.0mm	77.0 x 73.0mm
NVAV-M506-14	MVAV-M506-14	M50x1.5	36	40	14.0mm	95.0 x 92.5mm
NVAV-M508-14	MVAV-M508-14	M50x1.5	48	50	14.0mm	102.0 x 101.0mm
NVAV-M508-9	MVAV-M508-9	M50x1.5	48	50	9.0mm	97.0 x 101.0mm
NVAV-M638-14	MVAV-M638-14	M63x1.5	48	50	14.0mm	102.0 x 104.0mm
NVAV-M638-10	MVAV-M638-10	M63x1.5	48	50	10.0mm	98.0 x 104.0mm

▲ IP68GT available. Please add "GT" prior to the thread length (e.g. NVAV-M120GT-10).  
(Functional description PMAFIX IP68GT, pages 28–29).

- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



Temperature range: -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3GT); thread seal (SVN4 or OR)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4 or OR)

### VB 90° Curved Elbow, Metric, Metal

- Use in railway vehicle and heavy machine construction
- High-grade formulated polyamide, thread made of nickel-plated brass
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength



CAT. NO. IP68, BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVBV-M207-10	MVBV-M207-10	M20x1.5	17	20	10.0mm	51.0 x 73.0mm
NVBV-M207-6	MVBV-M207-6	M20x1.5	17	20	6.0mm	47.0 x 73.0mm
NVBV-M257-11	MVBV-M257-11	M25x1.5	17	20	11.0mm	52.0 x 76.0mm
NVBV-M257-7	MVBV-M257-7	M25x1.5	17	20	7.0mm	48.0 x 76.0mm
NVBV-M253-11	MVBV-M253-11	M25x1.5	23	25	11.0mm	62.5 x 85.0mm
NVBV-M253-7	MVBV-M253-7	M25x1.5	23	25	7.0mm	58.5 x 85.0mm
NVBV-M323-13	MVBV-M323-13	M32x1.5	23	25	13.0mm	64.5 x 89.0mm
NVBV-M323-8	MVBV-M323-8	M32x1.5	23	25	8.0mm	59.5 x 89.0mm
NVBV-M329-13	MVBV-M329-13	M32x1.5	29	32	13.0mm	74.0 x 94.5mm
NVBV-M329-8	MVBV-M329-8	M32x1.5	29	32	8.0mm	69.0 x 94.5mm
NVBV-M409-13	MVBV-M409-13	M40x1.5	29	32	13.0mm	75.5 x 100.5mm
NVBV-M409-8	MVBV-M409-8	M40x1.5	29	32	8.0mm	70.5 x 100.5mm
NVBV-M406-13	MVBV-M406-13	M40x1.5	36	40	13.0mm	86.5 x 123.0mm
NVBV-M406-8	MVBV-M406-8	M40x1.5	36	40	8.0mm	81.5 x 123.0mm
NVBV-M506-14	MVBV-M506-14	M50x1.5	36	40	14.0mm	87.5 x 130.0mm
NVBV-M506-9	MVBV-M506-9	M50x1.5	36	40	9.0mm	82.5 x 130.0mm
NVBV-M508-14	MVBV-M508-14	M50x1.5	48	50	14.0mm	100.5 x 135.0mm
NVBV-M508-9	MVBV-M508-9	M50x1.5	48	50	9.0mm	95.5 x 135.0mm
NVBV-M638-10	MVBV-M638-10	M63x1.5	48	50	14.0mm	100.5 x 138.0mm
NVBV-M638-14	MVBV-M638-14	M63x1.5	48	50	10.0mm	96.5 x 138.0mm

Appropriate standard elbows of type VV are available for smaller conduit sizes NW 10 to NW 12.

▲ IP68GT available. Please add "GT" prior to the thread length (e.g. NVBV-M207GT-10).  
(Functional description PMAFIX IP68GT, pages 28–29).

- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



Temperature range: -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4 or OR)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4 or OR)

## Connectors for Nylon Flexible Conduits

### VW 90° Elbow, Metric, Metal

- Use in railway vehicle and heavy machine construction
- High-grade formulated polyamide, thread made of nickel-plated brass
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4 or OR)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4 or OR)

CAT. NO. IP68, BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVWV-M120-10	MVWV-M120-10	M12x1.5	10	12	10.0mm	37.5 x 39.5mm
NVWV-M120-5	MVWV-M120-5	M12x1.5	10	12	5.0mm	32.5 x 39.5mm
NVWV-M160-10	MVWV-M160-10	M16x1.5	10	12	10.0mm	37.5 x 41.5mm
NVWV-M160-5	MVWV-M160-5	M16x1.5	10	12	5.0mm	32.5 x 41.5mm
NVWV-M162-10	MVWV-M162-10	M16x1.5	12	16	10.0mm	42.0 x 46.5mm
NVWV-M162-5	MVWV-M162-5	M16x1.5	12	16	5.0mm	37.0 x 46.5mm
NVWV-M202-10	MVWV-M202-10	M20x1.5	12	16	10.0mm	42.0 x 49.0mm
NVWV-M202-6	MVWV-M202-6	M20x1.5	12	16	6.0mm	38.0 x 49.0mm
NVWV-M207-10	MVWV-M207-10	M20x1.5	17	20	10.0mm	47.0 x 58.5mm
NVWV-M207-6	MVWV-M207-6	M20x1.5	17	20	6.0mm	43.0 x 58.5mm
NVWV-M253-11	MVWV-M253-11	M25x1.5	23	25	11.0mm	59.0 x 67.0mm
NVWV-M253-7	MVWV-M253-7	M25x1.5	23	25	7.0mm	55.0 x 67.0mm
NVWV-M329-13	MVWV-M329-13	M32x1.5	29	32	13.0mm	68.0 x 74.5mm
NVWV-M329-8	MVWV-M329-8	M32x1.5	29	32	8.0mm	63.0 x 74.5mm
NVWV-M406-13	MVWV-M406-13	M40x1.5	36	40	13.0mm	80.5 x 98.0mm
NVWV-M406-8	MVWV-M406-8	M40x1.5	36	40	8.0mm	75.5 x 98.0mm
NVWV-M508-14	MVWV-M508-14	M50x1.5	48	50	14.0mm	95.5 x 111.0mm
NVWV-M508-9	MVWV-M508-9	M50x1.5	48	50	9.0mm	90.5 x 111.0mm
NVWV-M638-14	MVWV-M638-14	M63x1.5	48	50	14.0mm	94.5 x 114.0mm
NVWV-M638-10	MVWV-M638-10	M63x1.5	48	50	10.0mm	90.5 x 114.0mm

▲ IP68GT available. Please add "GT" prior to the thread length (e.g. NVWV-M120GT-10).  
(Functional description PMAFIX IP68GT, pages 28-29).

### VWZ 90° Elbow, Metric, Strain Relief, Metal

- Use in railway vehicle construction and heavy machine construction
- Separate damp and dry areas
- High-grade formulated polyamide PA straight fitting with nickel-plated brass female thread, zinc diecast (90° elbow), sealing insert TPE-V
- With corresponding seals, IP68 static/IP67 dynamic cable = IP68 (10 bar)
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 135° C

**Content of delivery:**

- IP68GT: Complete: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); sealing insert, O-ring (OR)
- Fitting\*: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); O-ring (OR)
- IP68: Complete: Fitting with oval clips (OVN2), sealing insert, conduit seal (NVN3), O-ring (OR)
- Fitting\*: Fitting with oval clips (OVN2), conduit seal (NVN3), O-ring (OR)

CAT. NO. IP68 ▲	CAT. NO. ▲	CAT. NO. INSERT	THREAD METRIC	FITS TO CONDUIT SIZE		TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
				NW	METRIC			
NVWZ-M160S/P1	NVWZ-M160R/P	DE-M160/P1	M16x1.5	10	12	4.0-6.5mm	8.0mm	65.0mm
NVWZ-M160S/P2		DE-M160/P2	M16x1.5	10	12	5.0-8.0mm	8.0mm	65.0mm
NVWZ-M160S/P3		DE-M160/P3	M16x1.5	10	12	6.5-9.5mm	8.0mm	65.0mm
NVWZ-M202S/P1	NVWZ-M202R/P	DE-M202/P1	M20x1.5	12	16	4.0-6.5mm	8.0mm	74.5mm
NVWZ-M202S/P3		DE-M202/P3	M20x1.5	12	16	6.5-9.5mm	8.0mm	74.5mm
NVWZ-M202S/P4		DE-M202/P4	M20x1.5	12	16	7.0-10.5mm	8.0mm	74.5mm
NVWZ-M207S/P3	NVWZ-M207R/P	DE-M207/P3	M20x1.5	17	20	6.5-9.5mm	8.0mm	81.0mm
NVWZ-M207S/P4		DE-M207/P4	M20x1.5	17	20	7.0-10.5mm	8.0mm	81.0mm
NVWZ-M207S/P5		DE-M207/P5	M20x1.5	17	20	9.0-13.0mm	8.0mm	81.0mm
NVWZ-M257S/P5	NVWZ-M257R/P	DE-M257/P5	M25x1.5	17	20	9.0-13.0mm	8.0mm	84.0mm
NVWZ-M257S/P6		DE-M257/P6	M25x1.5	17	20	11.5-15.5mm	8.0mm	84.0mm

\* = without insert

▲ IP68GT available. Please replace "S" with "GT" (for example NVWZ-M160GT/P1).  
(Functional description PMAFIX IP68GT, pages 28-29).

## Connectors for Nylon Flexible Conduits

### VN Straight, PG, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
VND-P07MGT-11	VNV-P07M	7	7	10	11.0mm	34.5mm
VND-P07MGT-8	—	7	7	10	8.0mm	31.5mm
VND-P070GT-11	VNV-P070	7	10	12	11.0mm	36.5mm
VND-P070GT-8	—	7	10	12	8.0mm	33.5mm
VND-P072GT-11	VNV-P072	7	12	16	11.0mm	39.0mm
VND-P072GT-8	—	7	12	16	8.0mm	36.0mm
VND-P09MGT-11	VNV-P09M	9	7	10	11.0mm	34.5mm
VND-P09MGT-8	—	9	10	12	8.0mm	31.5mm
VND-P090GT-11	VNV-P090	9	10	12	11.0mm	36.5mm
VND-P090GT-8	—	9	10	12	8.0mm	33.5mm
VND-P092GT-11	VNV-P092	9	12	16	11.0mm	39.0mm
VND-P092GT-8	—	9	12	16	8.0mm	36.0mm
VND-P097GT-11	VNV-P097	9	17	20	11.0mm	47.5mm
VND-P097GT-8	—	9	17	20	8.0mm	44.5mm
VND-P11MGT-11	VNV-P11M	11	7	10	11.0mm	34.5mm
VND-P11MGT-8	—	11	7	10	8.0mm	31.5mm
VND-P110GT-11	VNV-P110	11	10	12	11.0mm	36.5mm
VND-P110GT-8	—	11	10	12	8.0mm	33.5mm
VND-P112GT-11	VNV-P112	11	12	16	11.0mm	39.0mm
VND-P112GT-8	—	11	12	16	8.0mm	36.0mm
VND-P117GT-11	VNV-P117	11	17	20	11.0mm	47.5mm
VND-P117GT-8	—	11	17	20	8.0mm	44.5mm
VND-P13MGT-11	VNV-P13M	13.5	7	10	11.0mm	34.5mm
VND-P13MGT-8	—	13.5	7	10	8.0mm	31.5mm
VND-P130GT-11	VNV-P130	13.5	10	12	11.0mm	36.5mm
VND-P130GT-8	—	13.5	10	12	8.0mm	33.5mm
VND-P132GT-11	VNV-P132	13.5	12	16	11.0mm	39.0mm
VND-P132GT-8	—	13.5	12	16	8.0mm	36.0mm
VND-P137GT-11	VNV-P137	13.5	17	20	11.0mm	47.5mm
VND-P137GT-8	—	13.5	17	20	8.0mm	44.0mm
VND-P160GT-11	—	16	10	12	11.0mm	36.5mm
VND-P160GT-8	—	16	10	12	8.0mm	33.5mm
VND-P162GT-11	VNV-P162	16	12	16	11.0mm	39.0mm
VND-P163GT-11	VNV-P163	16	23	25	11.0mm	51.5mm
VND-P163GT-8	—	16	23	25	8.0mm	48.0mm
VND-P167GT-11	VNV-P167	16	17	20	11.0mm	47.5mm
VND-P167GT-8	—	16	17	20	8.0mm	44.5mm
VND-P213GT	VNV-P213	21	23	25	12.0mm	52.0mm
VND-P296GT	VNV-P296	29	36	40	12.0mm	67.5mm
VND-P299GT	VNV-P299	29	29	32	12.0mm	53.0mm
VND-P366GT	VNV-P366	36	36	40	13.0mm	66.0mm
VND-P368GT	VNV-P368	36	48	50	13.0mm	68.5mm
VND-P428GT	VNV-P428	42	48	50	13.0mm	68.5mm
VND-P488GT	VNV-P488	48	48	50	13.0mm	66.5mm

— = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

## Connectors for Nylon Flexible Conduits

### VNZ Straight, PG, Strain Relief, Polyamide

- For cable protection systems in a wide range of applications
- Separate damp and dry areas
- High-grade, specially formulated polyamide 6
- Very high impact resistance, high conduit pull-out strength
- Easy mounting: simple push-in installation
- Integrated strain relief optimally holds and seals cables
- If several conductors are used with the connector, multiple sealing inserts should be considered
- Very good chemical properties
- Free from halogens and cadmium
- Excellent impact strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); strain-relief insert and thread seal (SVN4)

IP68: Fitting with oval clips (OVN2), strain-relief insert, conduit and thread seal (NVN3, SVN4)

For several conductors, multiple sealing inserts are available (MDE)



CAT. NO. IP66	CAT. NO. IP68 ▲	FITS TO CONDUIT SIZE			TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
		THREAD PG	NW	METRIC			
VNDZ-P090GT	VNZ-P090S	9	10	12	4.0–8.0mm	8.0mm	53.0mm
VNDZ-P112GT	VNZ-P112S	11	12	16	5.0–10.0mm	8.0mm	59.0mm
VNDZ-P132GT	VNZ-P132S	13.5	12	16	6.0–12.0mm	9.0mm	62.0mm
VNDZ-P137GT	VNZ-P137S	13.5	17	20	6.0–12.0mm	9.0mm	69.0mm
VNDZ-P167GT	VNZ-P167S	16	17	20	10.0–14.0mm	10.0mm	72.0mm
VNDZ-P163GT	VNZ-P163S	16	23	25	10.0–14.0mm	12.0mm	79.0mm
VNDZ-P213GT	VNZ-P213S	21	23	25	13.0–18.0mm	12.0mm	82.0mm
VNDZ-P299GT	VNZ-P299S	29	29	32	18.0–25.0mm	11.0mm	85.0mm
VNDZ-P366GT	VNZ-P366S	36	36	40	22.0–32.0mm	13.0mm	106.0mm
VNDZ-P488GT	VNZ-P488S	48	48	50	34.0–44.0mm	14.0mm	112.0mm

\_ = Insert "B" to order black or "S" to order grey.

**Note:** MDE multiple sealing inserts are available for this product.

▲ IP68GT available. Please replace "S" at the end with "GT" (for example, BVNZ-P112GT/P1).

(Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VA 45° Elbow, PG, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VAD-P090GT	_VAV-P090	9	10	12	11.0mm	43.0 x 37.0mm
_VAD-P112GT	_VAV-P112	11	12	16	11.0mm	48.0 x 40.0mm
_VAD-P132GT	_VAV-P132	13.5	12	16	11.0mm	48.0 x 41.5mm
_VAD-P137GT	_VAV-P137	13.5	17	20	11.0mm	55.5 x 51.5mm
_VAD-P167GT	_VAV-P167	16	17	20	11.0mm	55.5 x 51.5mm
_VAD-P213GT	_VAV-P213	21	23	25	11.0mm	63.0 x 58.0mm
_VAD-P299GT	_VAV-P299	29	29	32	12.0mm	69.0 x 66.0mm
_VAD-P366GT	_VAV-P366	36	36	40	13.0mm	86.0 x 86.0mm
_VAD-P488GT	_VAV-P488	48	48	50	13.0mm	94.0 x 100.0mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VB 90° Curved Elbow, PG, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX conduits
- High conduit pull-out strength
- Smooth elbow allows easy guidance through connector
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VBD-P167GT	_VBV-P167	16	17	20	11.0mm	47.5 x 73.0mm
_VBD-P213GT	_VBV-P213	21	23	25	12.0mm	57.5 x 85.0mm
_VBD-P299GT	_VBV-P299	29	29	32	12.0mm	67.5 x 96.0mm
_VBD-P366GT	_VBV-P366	36	36	40	13.0mm	79.0 x 123.0mm
_VBD-P488GT	_VBV-P488	48	48	50	13.0mm	92.5 x 135.0mm

\_ = Insert "B" to order black or "S" to order grey.

Appropriate standard elbows of type VW are available for smaller conduit sizes NW 07 to NW 12.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VW 90° Elbow, PG, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
_VWD-P07MGT-11	_VWV-P07M	7	7	10	11.0mm	32.0 x 35.0mm
_VWD-P07MGT-8	—	7	7	10	8.0mm	29.0 x 35.0mm
_VWD-P070GT-11	_VWV-P070	7	10	12	11.0mm	34.0 x 39.5mm
_VWD-P070GT-8	—	7	10	12	8.0mm	31.0 x 39.5mm
_VWD-P072GT-11	_VWV-P072	7	12	16	11.0mm	38.5 x 44.5mm
_VWD-P072GT-8	—	7	12	16	8.0mm	35.5 x 44.5mm
_VWD-P09MGT-11	_VWV-P09M	9	7	10	11.0mm	32.0 x 36.5mm
_VWD-P09MGT-8	—	9	7	10	8.0mm	29.0 x 36.5mm
_VWD-P090GT-11	_VWV-P090	9	10	12	11.0mm	34.0 x 39.5mm
_VWD-P090GT-8	—	9	10	12	8.0mm	31.0 x 39.5mm
_VWD-P092GT-11	_VWV-P092	9	12	16	11.0mm	38.5 x 44.5mm
_VWD-P092GT-8	—	9	12	16	8.0mm	35.5 x 44.5mm
_VWD-P11MGT-11	_VWV-P11M	11	7	10	11.0mm	32.0 x 38.0mm
_VWD-P11MGT-8	—	11	7	10	8.0mm	29.0 x 38.0mm
_VWD-P110GT-11	_VWV-P110	11	10	12	11.0mm	34.0 x 41.0mm
_VWD-P110GT-8	—	11	10	12	8.0mm	31.0 x 41.0mm
_VWD-P112GT-11	_VWV-P112	11	12	16	11.0mm	38.5 x 46.0mm
_VWD-P112GT-8	—	11	12	16	8.0mm	35.5 x 46.0mm
_VWD-P13MGT-11	_VWV-P13M	13.5	7	10	11.0mm	32.0 x 39.5mm
_VWD-P13MGT-8	—	13.5	7	10	8.0mm	29.0 x 39.5mm
_VWD-P130GT-11	_VWV-P130	13.5	10	12	11.0mm	34.0 x 42.5mm
_VWD-P130GT-8	—	13.5	10	12	8.0mm	31.0 x 42.5mm
_VWD-P132GT-11	_VWV-P132	13.5	12	16	11.0mm	38.5 x 47.5mm
_VWD-P132GT-8	—	13.5	12	16	8.0mm	35.5 x 47.5mm
_VWD-P137GT-11	_VWV-P137	13.5	17	20	11.0mm	43.5 x 58.5mm
_VWD-P137GT-8	—	13.5	17	20	8.0mm	40.5 x 58.5mm
_VWD-P167GT-11	_VWV-P167	16	17	20	11.0mm	43.5 x 58.5mm
_VWD-P167GT-8	—	16	17	20	8.0mm	40.5 x 58.5mm
_VWD-P213GT	_VWV-P213	21	23	25	12.0mm	54.0 x 67.0mm
_VWD-P299GT	_VWV-P299	29	29	32	12.0mm	61.5 x 74.5mm
_VWD-P366GT	_VWV-P366	36	36	40	13.0mm	72.0 x 98.0mm
_VWD-P488GT	_VWV-P488	48	48	50	13.0mm	85.5 x 111.0mm

\_ = Insert "B" to order black or "S" to order grey.

Curved elbows of type VB are available for the sizes NW 17 to NW 48.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).



## Connectors for Nylon Flexible Conduits

### VN Straight, PG, Metal

- Use in railway vehicle and heavy machine construction
- High-grade, specially formulated polyamide, thread made of nickel-plated brass
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

CAT. NO. IP68 BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
NVNV-P090	MVNV-P090	9	10	12	12.0mm	42.0mm
NVNV-P112	MVNV-P112	11	12	16	12.0mm	45.0mm
NVNV-P137	MVNV-P137	13.5	17	20	13.0mm	54.0mm
NVNV-P167	MVNV-P167	16	17	20	13.0mm	54.0mm
NVNV-P213	MVNV-P213	21	23	25	14.0mm	57.0mm
NVNV-P293	MVNV-P293	29	23	25	14.0mm	57.0mm
NVNV-P299	MVNV-P299	29	29	32	14.0mm	58.5mm
NVNV-P366	MVNV-P366	36	36	40	17.0mm	75.5mm
NVNV-P488	MVNV-P488	48	48	50	17.0mm	75.5mm

▲ IP68GT available. Please add "GT" after the order no. (Functional description PMAFIX IP68GT, pages 28–29).

### VNZ Straight, PG, Strain Relief, Metal

- Use in railway vehicle and heavy machine construction
- Separate damp and dry areas
- High-grade, specially formulated polyamide 6, thread made of nickel-plated brass, sealing inserts made from TPE-V
- Integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)
- High thread and system connection strength
- Vibration-resistant connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 135° C

**Content of delivery:**

- IP68GT: Complete: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); sealing insert, O-ring (OR)
  - Fitting\*: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); O-ring (OR)
  - IP68: Complete: Fitting with oval clips (OVN2), sealing insert, conduit seal (NVN3), O-ring (OR)
  - Fitting\*: Fitting with oval clips (OVN2), conduit seal (NVN3), O-ring (OR)
  - Insert: Sealing insert
- For several conductors, multiple sealing inserts are available (MDE)

CAT. NO. IP68 COMPLETE, BLACK ▲	CAT. NO. IP68 FITTING * ▲	CAT. NO. INSERT	THREAD PG	FITS TO CONDUIT SIZE		TERMINAL RANGE	THREAD LENGTH	OVERALL LENGTH
				NW	METRIC			
NVNZ-P090S/P3	NVNZ-P090R/P	DE-P090/P3	9	10	12	6.5–9.5mm	6.0mm	49.5mm
NVNZ-P110S/P1	NVNZ-P110R/P	DE-P110/P1	11	10	12	4.0–6.5mm	6.0mm	52.0mm
NVNZ-P110S/P3		DE-P110/P3	11	10	12	6.5–9.5mm	6.0mm	52.0mm
NVNZ-P112S/P1	NVNZ-P112R/P	DE-P112/P1	11	12	16	4.0–6.5mm	6.0mm	53.5mm
NVNZ-P112S/P3		DE-P112/P3	11	12	16	6.5–9.5mm	6.0mm	53.5mm
NVNZ-P112S/P4		DE-P112/P4	11	12	16	7.0–10.5mm	6.0mm	53.5mm
NVNZ-P160S/P1	NVNZ-P160R/P1	DE-P110/P1	16	10	16	4.5–6.5mm	6.5mm	52.5mm
NVNZ-P167S/P3	NVNZ-P167R/P	DE-P167/P3	16	17	20	6.5–9.5mm	6.5mm	61.0mm
NVNZ-P167S/P4		DE-P167/P4	16	17	20	7.0–10.5mm	6.5mm	61.0mm
NVNZ-P167S/P5		DE-P167/P5	16	17	20	9.0–13.0mm	6.5mm	61.0mm
NVNZ-P167S/P6		DE-P167/P6	16	17	20	11.5–15.5mm	6.5mm	61.0mm
NVNZ-P213S/P4	NVNZ-P213R/P	DE-P213/P4	21	23	25	14.0–18.0mm	7.0mm	72.0mm
NVNZ-P213S/P5	NVNZ-P213R1/P	DE-P213/P5	21	23	25	17.0–20.5mm	7.0mm	72.0mm
NVNZ-P299S/P3	NVNZ-P299R/P	DE-P299/P3	29	29	32	17.0–20.5mm	8.0mm	73.5mm
NVNZ-P299S/P4		DE-P299/P4	29	29	32	20.0–25.0mm	8.0mm	73.5mm
NVNZ-P299S/P5		DE-P299/P5	29	29	32	24.0–28.0mm	8.0mm	73.5mm
NVNZ-P366S/P1	NVNZ-P366R/P	DE-P366/P1	36	36	40	27.0–32.0mm	9.0mm	88.0mm
NVNZ-P366S/P2		DE-P366/P2	36	36	40	29.0–34.0mm	9.0mm	88.0mm
NVNZ-P366S/P3		DE-P366/P3	36	36	40	32.0–36.0mm	9.0mm	88.0mm
NVNZ-P488S/P1	NVNZ-P488R/P	DE-P488/P1	48	48	50	35.0–40.0mm	10.0mm	90.5mm
NVNZ-P488S/P2	NVNZ-P488R/P	DE-P488/P2	48	48	50	39.0–44.0mm	10.0mm	90.5mm

\* = without insert

Note: MDE multiple sealing inserts are available for this product.

▲ IP68GT available. Please replace "S" or "R" with "GT" (for example NVNZ-P112GT/P1) (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VA 45° Elbow, PG, Metal

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide, thread made of nickel-plated brass
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)

IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP68 BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVAV-P090	MVAV-P090	9	10	12	12.0mm	50.5 x 37.0mm
NVAV-P112	MVAV-P112	11	12	16	12.0mm	55.0 x 40.5mm
NVAV-P137	MVAV-P137	13.5	17	20	13.0mm	63.5 x 50.0mm
NVAV-P167	MVAV-P167	16	17	20	13.0mm	63.5 x 50.0mm
NVAV-P213	MVAV-P213	21	23	25	14.0mm	73.0 x 60.5mm
NVAV-P299	MVAV-P299	29	29	32	14.0mm	78.0 x 68.0mm
NVAV-P366	MVAV-P366	36	36	40	17.0mm	98.0 x 87.5mm
NVAV-P488	MVAV-P488	48	48	50	17.0mm	105.0 x 101.0mm

▲ IP68GT available. Please add "GT" after the catalogue no.  
(Functional description PMAFIX IP68GT, pages 28–29).

### VB 90° Curved Elbow, PG, Metal

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide, thread made of nickel-plated brass
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)

IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP68 BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVBV-P167	MVBV-P167	16	17	20	13.0mm	54.0 x 73.0mm
NVBV-P213	MVBV-P213	21	23	25	14.0mm	65.5 x 85.0mm
NVBV-P299	MVBV-P299	29	29	32	14.0mm	75.0 x 96.0mm
NVBV-P366	MVBV-P366	36	36	40	17.0mm	90.5 x 123.0mm
NVBV-P488	MVBV-P488	48	48	50	17.0mm	103.5 x 135.0mm

Appropriate standard elbows of type VW are available for smaller conduit sizes NW 07 to NW 12.

▲ IP68GT available. Please add "GT" after the catalogue no.  
(Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VW 90° Elbow, PG, Metal

- Use in railway vehicle and heavy machine construction
- High-grade, specially formulated polyamide, thread made of nickel-plated brass
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Polyamide free from halogens and cadmium
- Extremely high thread and system connection strength
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP66, BLACK ▲	CAT. NO. IP68, GREY ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
NVWV-P090	MVWV-P090	9	10	12	12.0mm	39.5 x 39.5mm
NVWV-P112	MVWV-P112	11	12	16	12.0mm	45.5 x 45.0mm
NVWV-P137	MVWV-P137	13.5	17	20	13.0mm	50.0 x 58.5mm
NVWV-P167	MVWV-P167	16	17	20	13.0mm	50.0 x 58.5mm
NVWV-P213	MVWV-P213	21	23	25	14.0mm	62.0 x 67.0mm
NVWV-P299	MVWV-P299	29	29	32	14.0mm	69.0 x 74.5mm
NVWV-P366	MVWV-P366	36	36	40	17.0mm	83.5 x 98.0mm
NVWV-P488	MVWV-P488	48	48	50	17.0mm	96.5 x 111.0mm

*Curved elbows of type VB are available for the sizes NW 17 to NW 48.*

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VN Straight, Gas, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66 ▲	CAT. NO. IP68 ▲	THREAD GAS	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
VND-G00MGT	VNV-G00M	¼"	7	10	11.0mm	34.5mm
VND-G00GT	VNV-G000	¼"	10	12	11.0mm	36.5mm
VND-G010GT	VNV-G010	¾"	10	12	11.0mm	36.5mm
VND-G012GT	VNV-G012	¾"	12	16	11.0mm	39.0mm
VND-G022GT	VNV-G022	½"	12	16	13.0mm	41.0mm
VND-G027GT	VNV-G027	½"	17	20	13.0mm	49.5mm
VND-G043GT	VNV-G043	¾"	23	25	14.0mm	54.0mm
VND-G069GT	VNV-G069	1"	29	32	15.0mm	56.0mm
VND-G076GT	VNV-G076	1¼"	36	40	18.0mm	71.0mm
VND-G088GT	VNV-G088	1½"	48	50	18.0mm	71.5mm
VND-G098GT	VNV-G098	2"	48	50	18.0mm	71.5mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

### VA 45° Elbow, Gas, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD GAS	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
VAD-G00GT	VAV-G000	¼"	10	12	11.0mm	43.5 x 37.0mm
VAD-G012GT	VAV-G012	¼"	12	16	11.0mm	48.0 x 40.0mm
VAD-G027GT	VAV-G027	¾"	17	20	13.0mm	57.5 x 51.5mm
VAD-G043GT	VAV-G043	¾"	23	25	14.0mm	67.0 x 60.0mm
VAD-G069GT	VAV-G069	½"	29	32	15.0mm	73.5 x 67.0mm
VAD-G076GT	VAV-G076	½"	36	40	18.0mm	91.5 x 85.5mm
VAD-G088GT	—	¾"	48	50	18.0mm	99.0 x 96.0mm
VAD-G098GT	VAV-G098	1"	48	50	18.0mm	99.0 x 101.0mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)

## Connectors for Nylon Flexible Conduits

### VW 90° Elbow, Gas, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD GAS	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
VWD-G00MGT	VWV-G00M	¼"	7	10	11.0mm	32.0 x 36.5mm
VWD-G000GT	VWV-G000	¼"	10	12	11.0mm	34.0 x 39.5mm
VWD-G010GT	VWV-G010	⅜"	10	12	11.0mm	34.0 x 40.5mm
VWD-G012GT	VWV-G012	⅜"	12	16	11.0mm	38.5 x 46.0mm
VWD-G022GT	VWV-G022	½"	12	16	13.0mm	40.5 x 47.5mm
VWD-G027GT	VWV-G027	½"	17	20	13.0mm	45.5 x 58.5mm
VWD-G043GT	VWV-G043	¾"	23	25	14.0mm	56.0 x 66.5mm
VWD-G069GT	VWV-G069	1"	29	32	15.0mm	64.5 x 73.5mm
VWD-G076GT	VWV-G076	1¼"	36	40	18.0mm	77.0 x 96.0mm
VWD-G088GT	VWV-G088	1½"	48	50	18.0mm	90.5 x 106.0mm
VWD-G098GT	VWV-G098	2"	48	50	18.0mm	90.5 x 111.0mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the order no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VN Straight, NPT, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD NPT	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
VND-N022GT	VNV-N022	½"	12	16	13.0mm	41.5mm
VND-N027GT	VNV-N027	½"	17	20	13.0mm	49.5mm
VND-N043GT	VNV-N043	¾"	23	25	14.0mm	54.0mm
VND-N069GT	VNV-N069	1"	29	32	15.0mm	56.0mm
VND-N076GT	VNV-N076	1¼"	36	40	18.0mm	71.0mm
VND-N088GT	VNV-N088	1½"	48	50	18.0mm	71.5mm
VND-N098GT	VNV-N098	2"	48	50	18.0mm	71.5mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VA 45° Elbow, NPT, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD NPT	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
VAD-N022GT	VAV-N022	½"	12	16	13.0mm	50.0 x 41.5mm
VAD-N027GT	VAV-N027	½"	17	20	13.0mm	57.5 x 51.5mm
VAD-N043GT	VAV-N043	¾"	23	25	14.0mm	67.0 x 60.0mm
VAD-N069GT	VAV-N069	1"	29	32	15.0mm	73.5 x 67.0mm
VAD-N076GT	VAV-N076	1¼"	36	40	18.0mm	91.5 x 85.5mm
VAD-N088GT	VAV-N088	1½"	48	50	18.0mm	99.0 x 96.0mm
VAD-N098GT	VAV-N098	2"	48	50	18.0mm	99.0 x 101.0mm

\_ = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VW 90° Elbow, NPT, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- Easy mounting: simple conduit push-in installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (SVN4)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, SVN4)



CAT. NO. IP66	CAT. NO. IP68 ▲	THREAD NPT	FITS TO CONDUIT SIZE		THREAD LENGTH	EXTERNAL DIMENSIONS
			NW	METRIC		
VWD-N022GT	VWV-N022	½"	12	16	13.0mm	40.5 x 47.5mm
VWD-N027GT	VWV-N027	½"	17	20	13.0mm	45.5 x 58.5mm
VWD-N043GT	VWV-N043	¾"	23	25	14.0mm	56.0 x 66.5mm
VWD-N069GT	VWV-N069	1"	29	32	15.0mm	64.5 x 73.5mm
VWD-N076GT	VWV-N076	1¼"	36	40	18.0mm	77.0 x 96.0mm
VWD-N088GT	VWV-N088	1½"	48	50	18.0mm	90.5 x 106.0mm
VWD-N098GT	VWV-N098	2"	48	50	18.0mm	90.5 x 111.0mm

— = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VO Flange 90°, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Standard flange seal FGO4 made from EPDM; flange seal FGO4/01 made from NBR on demand
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties, free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2), flange seal (FGO4)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); flange seal (FGO4)
- IP68: Fitting with oval clips (OVN2), conduit and flange seal (NVN3, FGO4)



CAT. NO. IP66	CAT. NO. IP68 ▲	FITS TO CONDUIT SIZE		DIMENSIONS WIDTH X LENGTH X DEPTH	SCREW SIZES
		NW	METRIC		
VOD-P167GT	VOV-P167	17	20	46.0 x 66.0 x 35.5mm	2 x M5
VOD-P213GT	VOV-P213	23	25	65.5 x 70.0 x 43.0mm	2 x M6
VOD-P299GT	VOV-P299	29	32	67.0 x 78.0 x 49.5mm	4 x M6
VOD-P366GT	VOV-P366	36	40	85.0 x 102.0 x 65.5mm	4 x M6
VOD-P488GT	VOV-P488	48	50	86.0 x 119.0 x 77.5mm	4 x M6

— = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

## Connectors for Nylon Flexible Conduits

### VI Female Thread Adapter, Metric, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66, BLACK	CAT. NO. IP68, BLACK ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
BVID-M12MGT	—	M12x1.5	7	10	8.0mm	32.0mm
BVID-M160GT	BVIR-M160	M16x1.5	10	12	8.0mm	33.5mm
BVID-M162GT	BVIR-M162	M16x1.5	12	16	8.0mm	36.5mm
—	BVIR-M202	M20x1.5	12	16	8.0mm	36.5mm
BVID-M207GT	BVIR-M207	M20x1.5	17	20	8.0mm	44.5mm
BVID-M253GT	BVIR-M253	M25x1.5	23	25	8.0mm	48.5mm
—	BVIR-M257	M25x1.5	17	20	8.0mm	44.5mm
BVID-M329GT	BVIR-M329	M32x1.5	29	32	10.0mm	51.5mm
BVID-M406GT	BVIR-M406	M40x1.5	36	40	10.0mm	65.5mm
BVID-M508GT	BVIR-M508	M50x1.5	48	50	10.0mm	65.5mm
BVID-M638GT	BVIR-M638	M63x1.5	48	50	10.0mm	65.5mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VI Female Thread Adapter, Metric, Metal

- Use in machine and railway construction and industry
- High-grade, specially formulated polyamide 6, thread made of nickel-plated brass
- Very high impact resistance
- High thread and system connection strengths
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP68, BLACK ▲	THREAD METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
		NW	METRIC		
NVIR-M120	M12x1.5	10	12	7.0mm	35.5mm
NVIR-M162	M16x1.5	12	16	9.0mm	40.5mm
NVIR-M207	M20x1.5	17	20	10.5mm	50.5mm
NVIR-M253	M25x1.5	23	25	10.5mm	53.0mm
NVIR-M329	M32x1.5	29	32	11.0mm	55.0mm
NVIR-M406	M40x1.5	36	40	13.5mm	71.0mm
NVIR-M508	M50x1.5	48	50	15.0mm	73.0mm
NVIR-M638	M63x1.5	48	50	17.5mm	78.0mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).



**VIR:** IP68 static/IP67 dynamic, conduit side

**VID:** IP66 static/IP54 dynamic, conduit side

**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

IP66: Fitting with pre-assembled universal safety clips (AFN2)

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)

IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)



**VIR:** IP68 static/IP67 dynamic, conduit side

**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)

IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)



## Connectors for Nylon Flexible Conduits

### FI/VI Female Thread Adapter, PG, Polyamide

- For machine, vehicle and traction building
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP67, BLACK	CAT. NO. IP68, BLACK ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
BFIL-P07M	—	7	7	10	8.0mm	29.0mm
BFIL-P070	—	7	10	12	8.0mm	34.5mm
—	BVIR-P070	7	10	12	8.0mm	33.5mm
BFIL-P090	—	9	10	12	8.0mm	32.5mm
—	BVIR-P090	9	10	12	8.0mm	33.5mm
BFIL-P112	—	11	12	16	8.0mm	32.5mm
—	BVIR-P112	11	12	16	8.0mm	36.5mm
BFIL-P117	—	11	17	20	8.0mm	35.0mm
BFIL-P132	—	13.5	12	16	8.0mm	32.5mm
BFIL-P137	—	13.5	17	20	8.0mm	33.5mm
BFIL-P160	—	16	10	12	7.0mm	37.0mm
BFIL-P167	—	16	17	20	8.0mm	33.5mm
—	BVIR-P167	16	17	20	8.0mm	44.5mm
BFIL-P217	—	21	17	20	10.5mm	35.5mm
BFIL-P213	—	21	23	25	8.0mm	39.0mm
BFIL-P293	—	29	23	25	9.0mm	42.0mm
BFIL-P299	—	29	29	32	9.0mm	43.0mm
BFIL-P363	—	36	23	25	12.0mm	51.0mm
BFIL-P369	—	36	29	32	16.0mm	52.0mm
BFIL-P366	—	36	36	25	13.0mm	64.0mm
BFIL-P488	—	48	48	50	13.0mm	65.0mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VI Female Thread Adapter PG, Metal

- For machine, vehicle and traction building
- High-grade, specially formulated polyamide 6, thread made of nickel-plated brass
- Very high impact resistance
- High thread and system connection strengths
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP68, BLACK ▲	THREAD PG	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
		NW	METRIC		
NVIZR-P07M	7	7	10	6.0mm	33.0mm
NVIZR-P090	9	10	12	9.0mm	37.5mm
NVIZR-P110	11	10	12	9.0mm	39.5mm
NVIZR-P112	11	12	16	9.0mm	41.5mm
NVIZR-P167	16	17	20	9.5mm	49.5mm
NVIZR-P213	21	23	25	10.0mm	56.5mm
NVIZR-P299	29	29	32	12.5mm	56.5mm
NVIZR-P366	36	36	40	13.0mm	73.0mm
NVIZR-P488	48	48	50	14.0mm	75.0mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

**VIR:** IP68 static/IP67 dynamic, conduit side  
**FIL:** IP67 static/IP65 dynamic, conduit side

**Temperature range:** -40° C to 105° C;  
 Short term to 160° C

**Content of delivery:**

IP67: Fitting with oval clips (OVN2), conduit seal (NFN3)

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)

IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)

**VIZR:** IP68 static/IP67 dynamic, conduit side

**Temperature range:** -40° C to 105° C;  
 Short term to 160° C

**Content of delivery:**

IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)

IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)

## Connectors for Nylon Flexible Conduits

### VI Female Thread Adapter, UNEF for AMP CPC Series, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Suitable for the AMP connector series CPC
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66, BLACK	CAT. NO. IP68, BLACK ▲	THREAD UNEF	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
BVIDA-U15MGT	BVIRA-U15M	5/8"-24	7	10	8.0mm	31.5mm
BVIDA-U150GT	BVIRA-U150	5/8"-24	10	12	8.0mm	33.5mm
BVIDA-U152GT	BVIRA-U152	5/8"-24	12	16	8.0mm	36.5mm
BVIDA-U180GT	BVIRA-U180	3/4"-20	10	12	8.0mm	33.5mm
BVIDA-U182GT	BVIRA-U182	3/4"-20	12	16	8.0mm	36.5mm
BVIDA-U187GT	BVIRA-U187	3/4"-20	17	20	8.0mm	44.5mm
BVIDA-U232GT	BVIRA-U232	15/16"-20	12	16	8.0mm	38.5mm
BVIDA-U237GT	BVIRA-U237	15/16"-20	17	20	8.0mm	46.5mm
BVIDA-U233GT	BVIRA-U233	15/16"-20	23	25	8.0mm	48.5mm
BVIDA-U347GT	BVIRA-U347	1 1/8"-18	17	20	8.0mm	46.5mm
BVIDA-U343GT	BVIRA-U343	1 1/8"-18	23	25	8.0mm	48.5mm
BVIDA-U402GT	BVIRA-U402	1 1/8"-18	12	16	7.0mm	55.5mm
BVIDA-U407GT	BVIRA-U407	1 1/8"-18	17	20	7.0mm	61.5mm
BVIDA-U403GT	BVIRA-U403	1 1/8"-18	23	25	7.0mm	60.5mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

### VI Female Thread Adapter, UNEF for Souriau UTG-6/ITT Cannon Trident, Polyamide

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Suitable for the Souriau connector series UTG-6 - ITT Cannon Trident
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66, BLACK	CAT. NO. IP68, BLACK ▲	THREAD UNEF	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
BVIDB-U162GT	BVIRB-U162	1 1/4"-24	12	16	4.0mm	43.5mm
BVIDB-U202GT	BVIRB-U202	1 3/8"-20	12	16	4.5mm	44.0mm
BVIDB-U232GT	BVIRB-U232	1 5/8"-20	12	16	4.5mm	49.0mm
BVIDB-U237GT	BVIRB-U237	1 5/8"-20	17	20	4.5mm	52.0mm
BVIDB-U267GT	BVIRB-U267	1 1/2"-18	17	20	4.5mm	52.0mm
BVIDB-U297GT	BVIRB-U297	1 3/8"-18	17	20	6.5mm	55.5mm
BVIDB-U293GT	BVIRB-U293	1 3/8"-18	23	25	6.5mm	52.0mm
BVIDB-U323GT	BVIRB-U323	1 3/8"-18	23	25	6.5mm	52.0mm
BVIDB-U357GT	BVIRB-U357	1 1/2"-18	17	20	6.5mm	58.5mm
BVIDB-U353GT	BVIRB-U353	1 1/2"-18	23	25	6.5mm	54.0mm
BVIDB-U359GT	BVIRB-U359	1 1/4"-18	29	32	6.5mm	50.5mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).



**VIRA:** IP68 static/IP67 dynamic, conduit side  
**VIDA:** IP66 static/IP54 dynamic, conduit side  
**Temperature range:** -40° C to 105° C;  
 Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)
- IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)



**VIRB:** IP68 static/IP67 dynamic, conduit side  
**VIDB:** IP66 static/IP54 dynamic, conduit side  
**Temperature range:** -40° C to 105° C;  
 Short term to 160° C

#### Content of delivery:

- IP66: Fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)
- IP68: Fitting with oval clips (OVN2), conduit seal (NVN3)

## Connectors for Nylon Flexible Conduits

### VI Female Thread Adapter, UNEF for MIL C 5015

- Use in machine, vehicle and traction building industries
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Fits fine (T) and coarse (G) conduit profiles



**VIVG:** IP68 static/IP67 dynamic, conduit and thread side

**VIDG:** IP66 static/IP54 dynamic, conduit and thread side

**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Fitting with pre-assembled universal safety clips (AFN2), thread seal (OR)
- IP68GT: Fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT); thread seal (O-Ring)
- IP68: Fitting with oval clips (OVN2), conduit and thread seal (NVN3, OR)

CAT. NO. IP66, BLACK	CAT. NO. IP68, BLACK ▲	THREAD UNEF	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
			NW	METRIC		
—	BVIVG-U152	3/8"-24	12	16	8.0mm	36.5mm
—	BVIVG-U187	3/4"-20	17	20	9.0mm	46.5mm
—	BVIVG-U210	7/8"-20	10	07	9.0mm	37.0mm
BVIDG-U212GT	BVIVG-U212	3/8"-20	12	16	9.0mm	38.5mm
BVIDG-U217GT	BVIVG-U217	7/8"-20	17	20	9.0mm	46.5mm
BVIDG-U242GT	BVIVG-U242	1"-20	12	16	9.0mm	40.5mm
—	BVIVG-U243	1"-20	23	25	9.0mm	55.0mm
BVIDG-U247GT	BVIVG-U247	1"-20	17	20	9.0mm	47.5mm
—	BVIVG-U292	1 1/16"-18	12	16	9.0mm	40.5mm
BVIDG-U293GT	BVIVG-U293	1 1/16"-18	23	25	9.0mm	55.0mm
BVIDG-U297GT	BVIVG-U297	1 1/16"-18	17	20	9.0mm	47.5mm
—	BVIVG-U299	1 1/16"-18	29	29	9.0mm	47.0mm
—	BVIVG-U352	1 1/16"-18	12	16	9.0mm	39.0mm
BVIDG-U353GT	BVIVG-U353	1 1/16"-18	23	25	9.0mm	52.0mm
—	BVIVG-U356	1 1/16"-18	36	40	9.0mm	63.0mm
BVIDG-U357GT	BVIVG-U357	1 1/16"-18	17	20	9.0mm	46.5mm
BVIDG-U359GT	BVIVG-U359	1 1/16"-18	29	29	9.0mm	52.0mm
BVIDG-U433GT	BVIVG-U433	1 3/4"-18 UNS	23	25	10.0mm	52.0mm
BVIDG-U436GT	BVIVG-U436	1 3/4"-18 UNS	36	40	10.0mm	62.5mm
—	BVIVG-U437	1 3/4"-18 UNS	17	20	10.0mm	46.5mm
BVIDG-U439GT	BVIVG-U439	1 3/4"-18 UNS	29	32	10.0mm	51.5mm
—	BVIVG-U503	2"-18 UNS	23	25	10.0mm	51.5mm
—	BVIVG-U503/01	2"-18 UNS	23	25	10.0mm	62.5mm
BVIDG-U506GT	BVIVG-U506	2"-18 UNS	36	40	10.0mm	62.5mm
—	BVIVG-U508	2"-18 UNS	48	50	10.0mm	64.5mm
BVIDG-U509GT	BVIVG-U509	2"-18 UNS	29	32	10.0mm	55.0mm
—	BVIVG-U563	2 1/4"-16 UN	23	25	10.0mm	51.0mm
BVIDG-U566GT	BVIVG-U566	2 1/4"-16 UN	36	40	10.0mm	62.0mm
—	BVIVG-U568	2 1/4"-16 UN	48	50	10.0mm	64.0mm
BVIDG-U569GT	BVIVG-U569	2 1/4"-16 UN	29	32	10.0mm	51.0mm
—	BVIVG-U628	2 1/2"-16 UN	48	500	10.0mm	64.0mm

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28-29).

### FI Female Thread Adapter, Fine-Metric, Transparent

- Use in machine and vehicle building, in connection with electronic sensors
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Light-emitting diodes are recognizable through the connector
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties, free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



**FIL:** IP67 static/IP65 dynamic, conduit side

**Temperature range:** -40° C to 105° C;  
Short term to 120° C

**Content of delivery:** Fitting with oval clip (OVN2), conduit seal (NFN3)

CAT. NO. IP67, TRANSPARENT	THREAD FINE-METRIC	FITS TO CONDUIT SIZE		THREAD LENGTH	OVERALL LENGTH
		NW	METRIC		
TFIL-F08M	8	7	10	6.5mm	29.5mm
TFIL-F12M	12	7	10	6.0mm	56.0mm
TFIL-F18M	18	7	10	6.0mm	56.5mm
TFIL-F30M	30	7	10	6.0mm	56.5mm
TFIL-F120	12	10	12	6.0mm	57.0mm
TFIL-F180	18	10	12	6.0mm	57.0mm
TFIL-F300	30	10	12	6.0mm	57.0mm

## Connectors for Nylon Flexible Conduits

### VY Y Pieces

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66	CAT. NO. IP68 ▲	INPUT FITS TO CONDUIT SIZE		OUTPUTS FITS TO CONDUIT SIZE	
		NW	METRIC	NW	METRIC
_VYD-100707GT	_VYR-100707	10	12	7	10
_VYD-121010GT	_VYR-121010	12	16	10	12
_VYD-171212GT	_VYR-171212	17	20	12	16
_VYD-231717GT	_VYR-231717	23	25	17	20
_VYD-292323GT	_VYR-292323	29	32	23	25
_VYD-362929GT	_VYR-362929	36	40	29	32
_VYD-483636GT	_VYR-483636	48	50	36	40

\_ = Insert "B" to order black or "S" to order grey.

The input/output sizes can be adapted with the AVD/AVR conduit adapters.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28-29).



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Distributor fitting with pre-assembled universal safety clips (AFN2)
- IP68GT: Distributor fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)
- IP68: Distributor fitting with oval clips (OVN2), conduit seal (NVN3)

### FV V Pieces

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX<sup>®</sup> conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66	CAT. NO. IP67	INPUT FITS TO CONDUIT SIZE		OUTPUTS FITS TO CONDUIT SIZE	
		NW	METRIC	NW	METRIC
_FVD-100707GT	_FVL-100707	10	12	7	10
_FVD-101010GT	_FVL-101010	10	12	10	12
_FVD-121010GT	_FVL-121010	12	16	10	12
_FVD-171010GT	_FVL-171010	17	20	10	12
_FVD-171212GT	_FVL-171212	17	20	12	16
_FVD-231717GT	_FVL-231717	23	25	17	20

\_ = Insert "B" to order black or "S" to order grey.



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:**

- IP66: Distributor fitting with pre-assembled universal safety clips (AFN2)
- IP67: Distributor fitting with oval clips (OVN2), conduit seals (NFN3)

## Connectors for Nylon Flexible Conduits

### FT/VT T Pieces

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Vibration-proof connection to PMAFLEX® conduits
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits fine (T) and coarse (G) conduit profiles



CAT. NO. IP66	CAT. NO. IP67 ▲	INPUT FITS TO CONDUIT SIZE		OUTPUTS FITS TO CONDUIT SIZE	
		NW	METRIC	NW	METRIC
FTD-101010GT	—	10	12	10	12
FTD-121212GT	—	12	16	12	16
FTD-171717GT	—	17	20	17	20
FTD-292323GT	FTL-292323 (!)	29	32	23	25
FTD-292929GT	—	29	32	29	32
—	VTR-101010	10	12	10	12
—	VTR-121212	12	16	12	16
—	VTR-171717	17	20	17	20
VDD-232323GT	VTR-232323	23	25	23	25
—	VTR-292929	29	32	29	32
VTD-363636GT	VTR-363636	36	40	36	40
VTD-484848GT	VTR-484848	48	50	48	50

— = Insert "B" to order black or "S" to order grey.

▲ IP68GT available. Please add "GT" after the catalogue no. (Functional description PMAFIX IP68GT, pages 28–29).

(!) Please note: The article "FTL" (IP67) will be discontinued! For new applications we recommend \_VTR (IP68).



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

#### Content of delivery:

- IP66: Distributor fitting with pre-assembled universal safety clips (AFN2)
- IP67: Distributor fitting with oval clips (OVN2), conduit seals (NFN3)
- IP68GT: Distributor fitting with pre-assembled universal safety clips (AFN2) and conduit seal (NVN3-GT)
- IP68: Distributor fitting with oval clips (OVN2), conduit seals (NVN3)

## Connectors for Nylon Flexible Conduits

### GPS One-Piece System Supports

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide 6
- One-piece construction, stackable
- Excellent impact resistance
- Heavy design, high retention forces
- Applicable with standard metal C rails
- Easy pre-installation by conduit snap-in
- Clasp for easy pre-mounting and final assembly
- Very good chemical properties
- Free from halogens and cadmium
- Fits (T) and coarse (G) conduit profiles
- The following nominal widths can be combined for stacking:  
NW 17 with NW 23, NW 29 with NW 36, NW 48 with NW 56



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:** System support and 2-piece screws for securing of the lid (optional); without mounting accessories

CAT. NO. FINE PROFILE	FITS TO CONDUIT SIZE			DIMENSIONS		
	NW	METRIC	DIN-NW	WIDTH	HEIGHT	DEPTH
BGPS-17	17	20	2	70.0mm	51.0mm	30.0mm
BGPS-23	23	25	2	70.0mm	51.0mm	30.0mm
BGPS-29	29	32	3	85.0mm	65.0mm	30.0mm
BGPS-36	36	40	3	85.0mm	65.0mm	30.0mm
BGPS-48	48	50	4	115.0mm	92.5mm	30.0mm
BGPS-56	56	—	4	115.0mm	92.5mm	30.0mm

### GP System Supports for Stacking

- For cable protection systems in a wide range of applications
- High-grade, specially formulated polyamide
- Variable stacking possibilities — due to the block system, a high rigidity is guaranteed
- Strain relief due to gripping around conduit
- Especially suitable for dynamic applications due to rounded edges
- Variety of support possibilities
- Self extinguishing, free from halogens and cadmium
- Excellent impact strength



**Temperature range:** -40° C to 105° C;  
Short term to 160° C

**Content of delivery:** System support with assembling screws; without mounting accessories

CAT. NO. FINE PROFILE	CAT. NO. COARSE PROFILE	FITS TO CONDUIT SIZE		DIMENSIONS		
		NW	METRIC	WIDTH	HEIGHT	DEPTH
_GP-16T	_GP-16G	17	20	47.5mm	66.0mm	36.0mm
_GP-21T	_GP-21G	23	25	47.5mm	66.0mm	36.0mm
_GP-29T	_GP-29G	29	32	61.5mm	66.0mm	36.0mm
_GP-36T	_GP-36G	36	40	61.5mm	66.0mm	36.0mm
_GP-48T	_GP-48G	48	50	76.0mm	66.0mm	36.0mm
—	_GP-56G	56	—	87.0mm	78.0mm	36.0mm

\_ = Insert "B" to order black or "S" to order grey.

## Connectors for Nylon Flexible Conduits

### SGB Tube Clamps

- Especially suitable for the mounting of static conduits
- Galvanized steel according to DIN 3016
- Elastomer free from halogens (EPDM)
- For the mounting of static conduits
- Smooth connection to PMAFLEX® corrugated conduits
- Good ozone and aging resistance



Temperature range: -50° C to 105° C

CAT. NO. FINE PROFILE, BLACK	FITS TO CONDUIT SIZE		DIMENSIONS WIDTH	FIXING SCREW
	NW	METRIC		
SGB-07	7	10	13.0mm	(1) M4
SGB-09	10	12	13.0mm	(1) M4
SGB-11	12	16	13.0mm	(1) M4
SGB-16	17	20	16.0mm	(1) M5
SGB-21	23	25	16.0mm	(1) M5
SGB-29	29	32	19.0mm	(1) M6
SGB-36	36	40	19.0mm	(1) M6
SGB-48	48	50	19.0mm	(1) M6

### GN Half Shells

- Used for fixing PMA® conduits in conjunction with beam systems, particularly in traction and machine applications
- High-grade, specially formulated polyamide
- Variable combinations
- Strain relief due to gripping around conduit
- Especially suitable for dynamic applications due to rounded edges
- Variety of support possibilities
- Self extinguishing
- Free from halogens and cadmium
- Excellent impact strength



Temperature range: -40° C to 105° C;  
Short term to 160° C

CAT. NO. FINE PROFILE, BLACK	CAT. NO. COARSE PROFILE, BLACK	FITS TO CONDUIT SIZE		OUTSIDE DIAMETER	DIMENSIONS WIDTH
		NW	METRIC		
BGN-S12T	—	12	16	26.5mm	34.0mm
BGN-S17T	BGN-S17G	17	20	32.0mm	34.0mm
BGN-S23T	BGN-S23G	23	25	39.5mm	34.0mm
BGN-S29T	BGN-S29G	29	32	47.0mm	34.0mm
BGN-S36T	—	36	40	55.0mm	36.5mm
—	BGN-S36G	36	40	55.0mm	34.0mm
BGN-S48T	—	48	50	66.5mm	36.5mm
—	BGN-S48G	48	50	66.5mm	34.0mm
—	BGN-S70G	70	80	93.5mm	38.0mm

## Connectors for Nylon Flexible Conduits

### GL Tube Clamps

- Used in general machine and installation applications
- High-grade, specially formulated polyamide
- Self extinguishing
- Free from halogens and cadmium

CAT. NO. BLACK	CAT. NO. GREY	FITS TO CONDUIT SIZE		DIMENSIONS WIDTH	FIXING SCREW
		NW	METRIC		
BGL-07	SGL-07	07	10	25.0	(1) M4
BGL-10	SGL-10	10	12	27.0	(1) M4
BGL-12	SGL-12	12	16	31.0	(1) M4
BGL-17	SGL-17	17	20	39.5	(1) M5
BGL-23	SGL-23	23	25	49.0	(1) M5
BGL-29	SGL-29	29	32	57.0	(1) M6



Temperature range: -40° C to 105° C

### GH Tube Clamps

- Used in general machine and installation applications
- High-grade, specially formulated polyamide
- Self extinguishing
- Free from halogens and cadmium
- Nominal widths: 23–95mm

CAT. NO. BLACK	CAT. NO. GREY	FITS TO CONDUIT SIZE		DIMENSIONS WIDTH	FIXING SCREW
		NW	METRIC		
BGH-23	SGH-23	23	25	58.0mm	(2) M5
BGH-29	SGH-29	29	32	70.0mm	(2) M6
BGH-36	SGH-36	36	40	80.0mm	(2) M6
BGH-48	SGH-48	48	50	94.0mm	(2) M6



Temperature range: -40° C to 105° C;