

PMAFIX IP66, IP68 (IP69)

General technical details

PMAFIX IP66, IP68 (IP69) fittings. The designation PMAFIX describes a very large range of fittings for PMA conduits with the patented PMA safety clip system.

Fittings are available for degrees of ingress protection IP66 and IP68 according to IEC 60529. IP66 fittings are fitted with a pre-installed universal safety clip which ensures a quick “push-in” installation. IP68 fittings 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. It is also possible to upgrade to IP69 by retrofitting water impact protection.

Material

- Fittings made from specially formulated polyamide 6
- Threads made from nickel-plated brass or polyamide 6
- Self-extinguishing
- Free from halogens, REACH + RoHS compliant
- Very good chemical properties
- Temperature range: -40°C to +105°C, short-term to +160°C

Characteristics

- Excellent conduit pull-out strength
- High impact resistance
- Vibration-proof connection to PMA corrugated conduits
- Fits conduit profiles – fine (T) and coarse (G)
- To avoid accidental opening, disassembly is only possible with a screwdriver



PMAFIX

General technical details



Patent

IP66

IP66 static

IP54 dynamic

- One piece fitting
- Conical sealing method
- Easy “push-in” installation
- Pre-installed safety clip AFN2
- Content of delivery: Fitting with pre-installed safety clip



Patent

IP68GT

IP68, IP69 static

IP67, IP69 dynamic

- The single piece PMAFIX IP68GT fitting with integrated sealing cap and pre-installed locking clip
- Simple push-in assembly (as with the proven PMAFIX IP66 system)
- The extra long sealing cap guarantees the highest level of ingress protection
- Identical approvals as for the PMAFIX IP68 system component version
- Fast modification of specification drawings through simple addition of “GT” to the existing order number (e.g. BVNV-M257 → BVNV-M257GT)
- Additional water protection ring WPS for IP69 ingress protection in conjunction with the IP68 system to be applied right after the IP68 fitting onto the conduit
- Content of delivery: Fitting with integrated sealing cap, pre-installed safety clip and thread seal for male thread (O-ring and/or flat gasket)



Patent

IP68

IP68, IP69 static

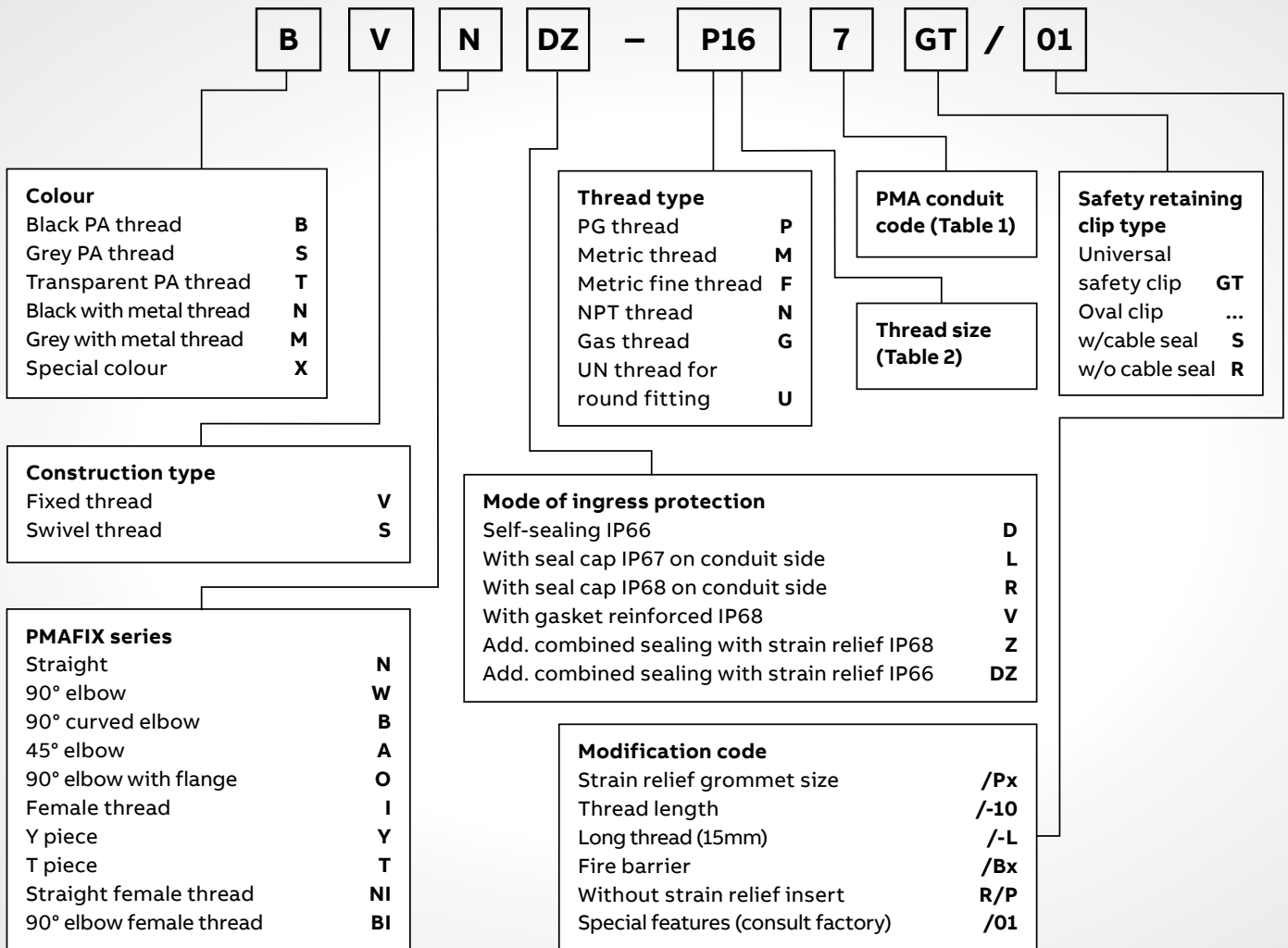
IP67, IP69 dynamic

- High sealing through additional seal cap
- For highest dynamic applications
- Additional water protection ring WPS for IP69 ingress protection in conjunction with the IP68 system to be applied right after the IP68 fitting onto the conduit
- Content of delivery: Fitting with sealing cap, safety clip and thread seal for male thread (O-ring and/or flat gasket)

PMAFIX fittings

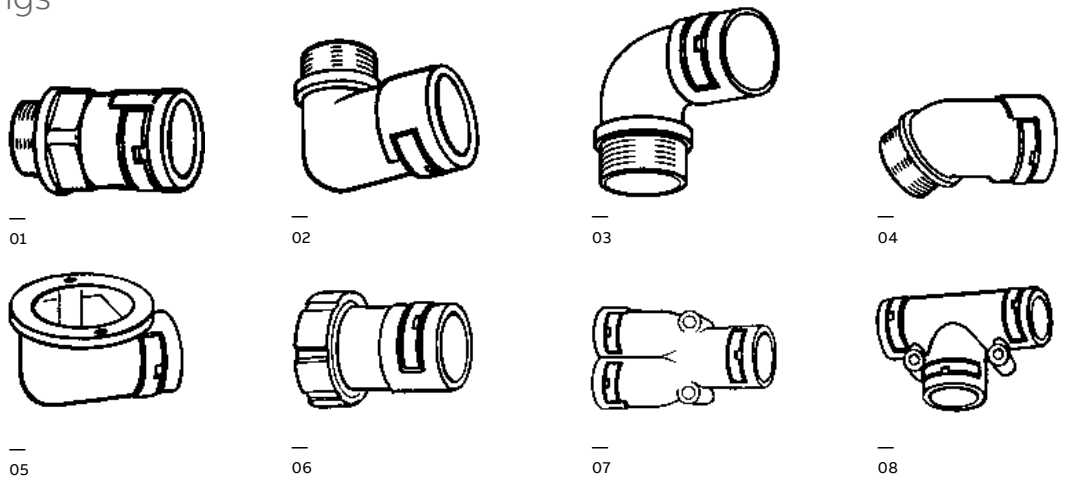
Part number codes

For part number explanation only, not to be used as a configuration tool.



PMAFIX series fittings

- 01 Serie N
- 02 Serie W
- 03 Serie B
- 04 Serie A
- 05 Serie O
- 06 Serie I
- 07 Serie Y
- 08 Serie T



PMAFIX

Size codes

Table 1: Conduit codes

Nominal width	Metric size	PMA code
07	10	M
10	12	0
12	16	2
17	20	7
23	25	3
29	32	9
36	40	6
48	50	8

Additional code for female thread fittings

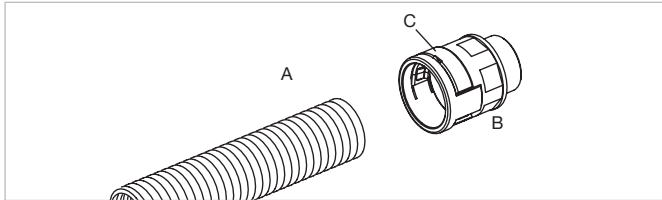
Type	PMA code
AMP	A
Souriau (ex Burndy) UTG 6	B
With O-ring groove (MIL C 5015)	G
Souriau UTO/UTS	S

Table 2: Thread codes

Thread metric	PMA code	Thread PG	PMA code	Thread Gas	PMA code	Thread NPT	PMA code	Thread UN	PMA code
		PG07	P07	G ¼	G00				
M12 x 1.5	M12	PG09	P09	G ⅜	G01				
M16 x 1.5	M16	PG11	P11	G ½	G02	N ½	N02	½-28 UNEF	U12
M20 x 1.5	M20	PG13.5	P13	G ¾	G04	N ¾	N04	9/16-24 UNEF	U13
		PG16	P16	G 1	G06	N 1	N06	5/8-24 UNEF	U15
M25 x 1.5	M25	PG21	P21	G 1¼	G07	N 1¼	N07	11/16-24 UNEF	U16
M32 x 1.5	M32	PG29	P29	G 1½	G08	N 1½	N08	¾-20 UNEF	U18
M40 x 1.5	M40	PG36	P36	G 2	G09	N 2	N09	13/16-20 UNEF	U20
M50 x 1.5	M50	PG42	P42	G 2¼	G10			7/8-20 UNEF	U21
M63 x 1.5	M63	PG48	P48	G 2½	G11			15/16-20 UNEF	U23
								1-20 UNEF	U24
								1¼-18 UNEF	U26
M 8 x 1.0	F08							13/16-18 UNEF	U29
M12 x 1.0	F12							1¼-18 UNEF	U30
M18 x 1.0	F18							15/16-18 UNEF	U32
								13/8-18 UNEF	U34
								17/16-18 UNEF	U35
								15/8-18 UNEF	U40
								1¾-18 UNS	U43
								2-18 UNS	U50
								2¼-16 UN	U56
								23/8-12 UN	U57
								2½-12 UN	U62

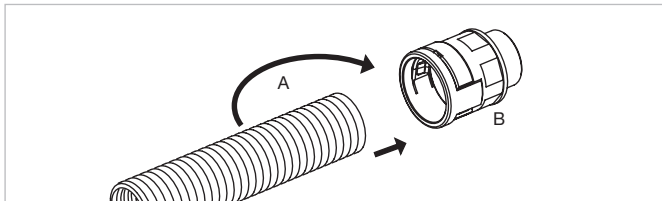
PMAFIX
Installation

Installation IP66



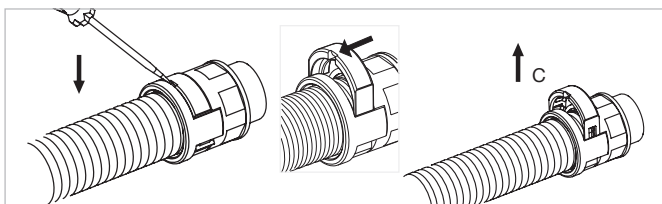
01

A = Conduit
B = Fitting
C = Universal safety clip



02

Push in the conduit (A) with a slight twist until the stop.

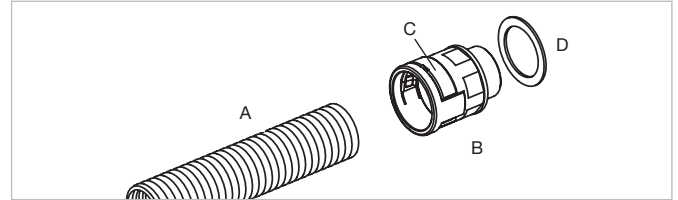


03

To re-open use a screwdriver.
The screwdriver slot in the oval clip (C) should be on the conduit side.

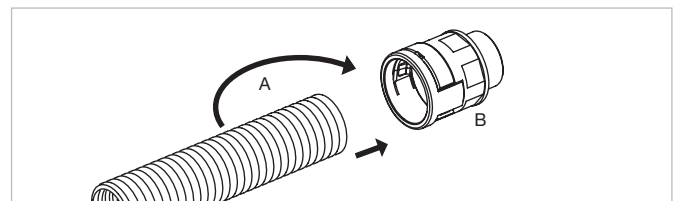
Locking clip pre-installed in all IP66 fittings.

Installation IP68GT



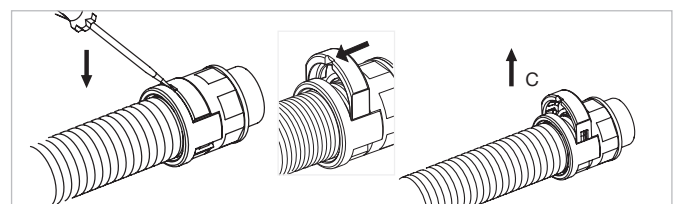
01

A = Conduit
B = Fitting with integrated sealing cap
C = Universal safety clip
D = Thread seal (either O-ring or flat gasket*, not both)



02

Push in the conduit (A) right into the end of the fitting (B) with a slight twist. Additional insertion resistance will be felt when the end of the fitting has been reached.



03

To re-open use a screwdriver.
The screwdriver slot in the oval clip (C) should be on the conduit side.

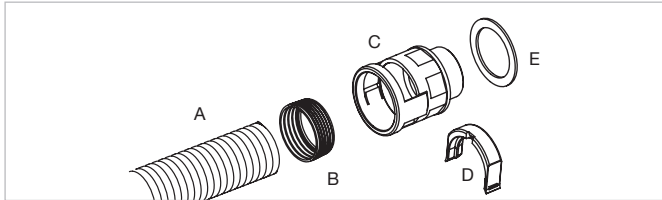
Pre-installed sealing cap and locking clip in all IP68GT fittings.

* Ensure to follow O-ring manufacturers guidelines when using O-rings for sealing purposes.

PMAFIX

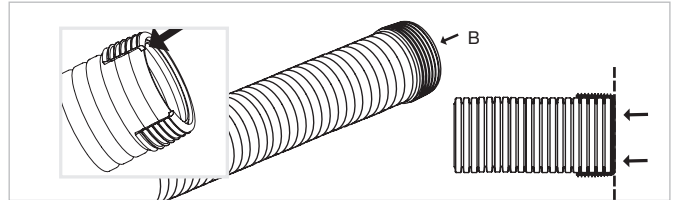
Installation

Installation IP68 (IP69)



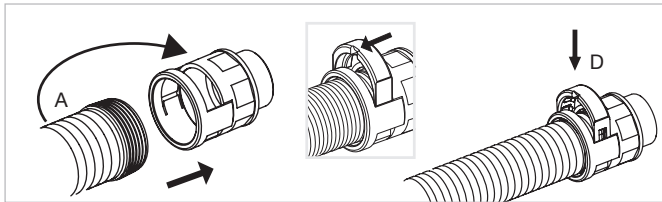
01

- A = Conduit
- B = Sealing cap
- C = Fitting
- D = Oval clip
- E = Thread seal (O-ring or flat seal*)



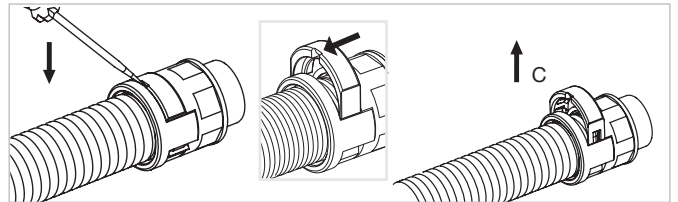
02

Push sealing cap (B) completely onto the conduit in order to achieve IP68.



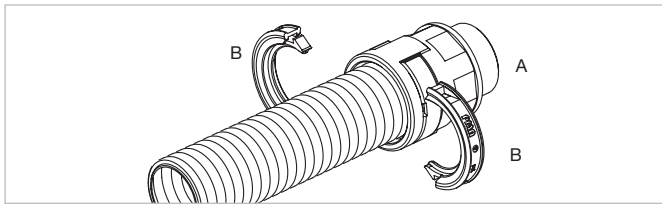
03

Push in the conduit (A) with a slight twist until the stop. Insert oval clip (D) in the locking element window and click into place. Screwdriver slot in the oval clip should be on conduit side.



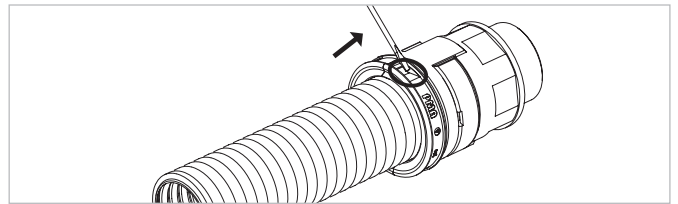
04

To re-open use a screwdriver.



05

- For IP69:
- Based on IP68 System
- A = Conduit with IP68 fitting
- B = WPS half shells



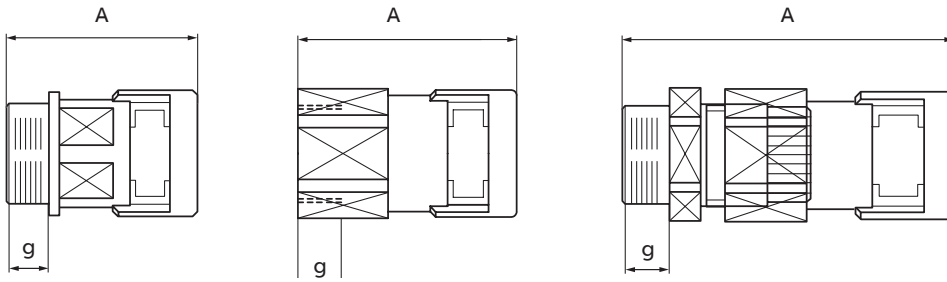
06

To re-open use a screwdriver.

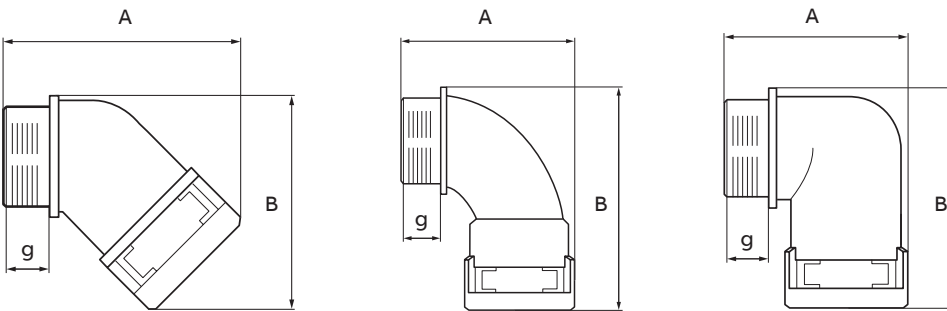
* For safety reasons, oval clip will not fit if seal cap is not fully installed.

Ensure to follow O-ring manufacturers guidelines when using O-rings for sealing purposes.

Fitting dimensions



g = Thread length
A = Overall length



g = Thread length
A x B = External dimensions

Metric fittings, polyamide thread

Type VN

Type VN - Straight fitting, metric thread

	Order no. IP66 ①	Order no. IP68* ① ②	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVND-M12MGT	BVNV-M12M	M12 x 1.5	07	11.0	34.5	100
	BVND-M120GT	BVNV-M120	M12 x 1.5	10	11.0	36.5	100
	BVND-M160GT	BVNV-M160	M16 x 1.5	10	11.0	36.5	100
	BVND-M162GT	BVNV-M162	M16 x 1.5	12	11.0	39.5	100
	BVND-M200GT	BVNV-M200	M20 x 1.5	10	11.0	36.5	100
	BVND-M202GT	BVNV-M202	M20 x 1.5	12	11.0	39.5	100
	BVND-M207GT	BVNV-M207	M20 x 1.5	17	11.0	47.5	100
	BVND-M203GT	BVNV-M203	M20 x 1.5	23	11.0	51.0	50
	BVND-M257GT	BVNV-M257	M25 x 1.5	17	12.0	48.5	100
	BVND-M253GT	BVNV-M253	M25 x 1.5	23	12.0	52.0	50
	BVND-M323GT	BVNV-M323	M32 x 1.5	23	15.0	55.5	50
	BVND-M329GT	BVNV-M329	M32 x 1.5	29	15.0	56.0	30
	BVND-M409GT	BVNV-M409	M40 x 1.5	29	19.0	60.0	30
	BVND-M406GT	BVNV-M406	M40 x 1.5	36	19.0	72.5	20
	BVND-M506GT	BVNV-M506	M50 x 1.5	36	19.0	72.0	20
	BVND-M508GT	BVNV-M508	M50 x 1.5	48	19.0	72.5	10
	BVND-M638GT	BVNV-M638	M63 x 1.5	48	19.0	72.0	10

Approvals




For cable protection systems in a wide range of applications

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

Metric UL fittings, polyamide thread

Type UNV-M-UL

Type UNV - Straight fitting, metric thread

	Order no. black	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BUNV-M207-UL	M20 x 1.5	17	11.0	47.5	50
	BUNV-M257-UL	M25 x 1.5	17	12.0	48.5	50
	BUNV-M253-UL	M25 x 1.5	23	12.0	52.0	30
	BUNV-M323-UL	M32 x 1.5	23	15.0	55.5	30
	BUNV-M329-UL	M32 x 1.5	29	15.0	56.0	20
	BUNV-M409-UL	M40 x 1.5	29	19.0	60.0	20
	BUNV-M406-UL	M40 x 1.5	36	19.0	72.5	20
	BUNV-M506-UL	M50 x 1.5	36	19.0	72.0	20
	BUNV-M508-UL	M50 x 1.5	48	19.0	72.5	10
	BUNV-M638-UL	M63 x 1.5	48	19.0	72.0	10

Approvals




Extremely high impact resistance
 Vibration-resistant connection to PMA FLEXPlus conduits
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Free from halogens and cadmium
 Fits conduit profile coarse (G)
 Lock nut delivered with the fitting

Metric fittings, metal thread

Type VNV

Type VNV - Straight fitting, metric metal thread

	Order no. IP68, black ¹	Order no. IP68, grey ¹	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)	
	NVNV-M120-10	MVNV-M120-10	M12 x 1.5	10	10.0	40.0	50	
	NVNV-M120-5	–	M12 x 1.5	10	5.0	35.0	50	
	NVNV-M160-10	–	M16 x 1.5	10	10.0	40.0	50	
	NVNV-M160-5	–	M16 x 1.5	10	5.0	35.0	50	
	NVNV-M162-10	–	M16 x 1.5	12	10.0	43.0	50	
	NVNV-M162-5	–	M16 x 1.5	12	5.0	38.0	50	
	NVNV-M202-10	MVNV-M202-10	M20 x 1.5	12	10.0	43.0	50	
	NVNV-M202-6	–	M20 x 1.5	12	6.0	39.0	50	
	NVNV-M207-10	MVNV-M207-10	M20 x 1.5	17	10.0	51.0	50	
	NVNV-M207-6	–	M20 x 1.5	17	6.0	47.0	50	
	NVNV-M257-11	MVNV-M257-11	M25 x 1.5	17	11.0	52.0	50	
	NVNV-M257-7	–	M25 x 1.5	17	7.0	48.0	50	
	NVNV-M253-11	MVNV-M253-11	M25 x 1.5	23	11.0	54.0	30	
	NVNV-M253-7	–	M25 x 1.5	23	7.0	50.0	30	
	NVNV-M323-13	MVNV-M323-13	M32 x 1.5	23	13.0	56.0	30	
	NVNV-M323-8	–	M32 x 1.5	23	8.0	51.0	30	
	NVNV-M329-13	MVNV-M329-13	M32 x 1.5	29	13.0	57.3	20	
	NVNV-M329-8	–	M32 x 1.5	29	8.0	52.3	20	
	NVNV-M409-13	MVNV-M409-13	M40 x 1.5	29	13.0	57.3	20	
	NVNV-M409-8	–	M40 x 1.5	29	8.0	52.3	20	
	NVNV-M406-13	MVNV-M406-13	M40 x 1.5	36	13.0	71.4	20	
	NVNV-M406-8	–	M40 x 1.5	36	8.0	66.4	20	
	NVNV-M506-14	–	M50 x 1.5	36	14.0	72.4	20	
	NVNV-M506-9	–	M50 x 1.5	36	9.0	67.4	20	
	Approvals	NVNV-M508-14	MVNV-M508-14	M50 x 1.5	48	14.0	72.4	10
		NVNV-M508-9	–	M50 x 1.5	48	9.0	67.4	10
		NVNV-M638-14	MVNV-M638-14	M63 x 1.5	48	14.0	72.4	10
	NVNV-M638-10	–	M63 x 1.5	48	10.0	68.4	10	

For applications in railway vehicles and heavy machine construction
High thread and system connection strength




¹ IP68GT available. Please add
“GT” prior to the thread length
(for example NVNV-M120GT-10)

Swivel fittings, metric, metal thread

Type SNV

Type SNV - Swivel metal thread fitting, metric thread, IP68

	Order no. black	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NSNV-M120-10	M12 x 1.5	10	10.0	50.5	1
	NSNV-M162-10	M16 x 1.5	12	10.0	53.5	1
	NSNV-M207-10	M20 x 1.5	17	10.0	62.5	1
	NSNV-M253-11	M25 x 1.5	23	11.0	67.5	1
	NSNV-M329-13	M32 x 1.5	29	13.0	72.0	1
	NSNV-M329-7	M32 x 1.5	29	7.0	66.0	1
	NSNV-M406-13	M40 x 1.5	36	13.0	85.5	1
	NSNV-M406-7	M40 x 1.5	36	7.0	79.5	1
	NSNV-M409-13	M40 x 1.5	29	13.0	72.0	1
	NSNV-M508-14	M50 x 1.5	48	14.0	87.5	1
	NSNV-M638-14	M63 x 1.5	48	14.0	84.0	1

Approvals




For applications with high technical requirements
 Very high impact resistance
 High thread and system connection strength
 Vibration-proof connection to PMA conduits
 Suitable for occasional rotation
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Fits both conduit profiles - fine (T) and coarse (G)

Metric fittings, polyamide thread

Type VNDZ/VNZ

Type VNDZ/VNZ - Straight fitting with strain relief, metric thread

	Order no. IP66 ①	Order no. IP68* ① ②	Thread metric	Fits to conduit size NW	Terminal range	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVNDZ-M160GT	–	M16 x 1.5	10	5.0–10.0	8.0	62.0	50
	BVNDZ-M162GT	BVNZ-M162S	M16 x 1.5	12	5.0–10.0	8.0	62.0	50
	BVNDZ-M207GT	BVNZ-M207S	M20 x 1.5	17	10.0–14.0	8.0	72.0	50
	BVNDZ-M253GT	BVNZ-M253S	M25 x 1.5	23	13.0–18.0	8.0	81.0	30
	BVNDZ-M329GT	BVNZ-M329S	M32 x 1.5	29	18.0–25.0	10.0	85.0	20
	BVNDZ-M406GT	BVNZ-M406S	M40 x 1.5	36	22.0–32.0	10.0	108.5	20
	BVNDZ-M508GT	BVNZ-M508S	M50 x 1.5	48	30.0–38.0	12.0	119.5	10
	BVNDZ-M638GT	BVNZ-M638S	M63 x 1.5	48	34.0–44.0	12.0	119.5	10

For machine and plant construction

For separation of damp and dry areas

Integrated strain relief optimally holds and seals cables

If several conductors are used with the fitting multiple sealing inserts should be considered

Note: For several conductors multiple sealing inserts MDE are available

① Please replace “B” for black with
“S” for grey in front of the order no.

② IP68GT available. Please replace “S” at
the end with “GT” (e.g. BVNZ-M207GT)

Fittings with strain relief, metric, metal thread

Type VNZ

Type VNZ - Straight fitting with strain relief, metric metal thread



	Order no. IP68 Compl., black ①	Order no. fitting* ①	Order no. insert	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-M120S/P1	NVNZ-M120R/P	EK150p7	M12 x 1.5	10	4.0–6.5	5.0	48.5	50
	NVNZ-M120S/P2		EK150p8	M12 x 1.5	10	5.0–8.0	5.0	48.5	50
	NVNZ-M120S/P3		EK150p9	M12 x 1.5	10	6.5–9.5	5.0	48.5	50
	NVNZ-M160S/P1	NVNZ-M160R/P	E150p7	M16 x 1.5	10	4.0–6.5	6.0	49.5	50
	NVNZ-M160S/P2		E150p8	M16 x 1.5	10	5.0–8.0	6.0	49.5	50
	NVNZ-M160S/P3		E150p9	M16 x 1.5	10	6.5–9.5	6.0	49.5	50
	NVNZ-M202S/P1	NVNZ-M202R/P	E152p7	M20 x 1.5	12	4.0–6.5	6.0	54.0	50
	NVNZ-M202S/P3		E152p9	M20 x 1.5	12	6.5–9.5	6.0	54.0	50
	NVNZ-M202S/P4		E152p11	M20 x 1.5	12	7.0–10.5	6.0	54.0	50
	NVNZ-M207S/P3	NVNZ-M207R/P	E152p9	M20 x 1.5	17	6.5–9.5	6.5	60.0	50
	NVNZ-M207S/P4		E152p11	M20 x 1.5	17	7.0–10.5	6.5	60.0	50
	NVNZ-M207S/P5		E152p13	M20 x 1.5	17	9.0–13.0	6.5	60.0	50
	NVNZ-M253S/P5	NVNZ-M253R/P	EK154p13	M25 x 1.5	23	9.0–13.0	7.5	72.5	30
	NVNZ-M253S/P6		EK154p16	M25 x 1.5	23	11.5–15.5	7.5	72.5	30
	NVNZ-M257S/P4	NVNZ-M257R/P	E153p11	M25 x 1.5	17	7.0–10.5	7.5	61.5	50
	NVNZ-M257S/P5		E153p13	M25 x 1.5	17	9.0–13.0	7.5	61.5	50
	NVNZ-M257S/P6		E153p16	M25 x 1.5	17	11.5–15.5	7.5	61.5	20
	NVNZ-M323S/P4	NVNZ-M323R/P	E154p18	M32 x 1.5	23	14.0–18.0	8.0	73.0	30
	NVNZ-M323S/P5	NVNZ-M323R1/P	E154p20	M32 x 1.5	23	17.0–20.5	8.0	73.0	30
	NVNZ-M329S/P2	NVNZ-M329R/P	EK155p18	M32 x 1.5	29	14.0–18.0	8.0	73.0	20
	NVNZ-M329S/P3		EK155p20	M32 x 1.5	29	17.0–20.5	8.0	73.0	20
	NVNZ-M329S/P4		EK155p25	M32 x 1.5	29	20.0–25.0	8.0	73.0	20
	NVNZ-M406S/P1	NVNZ-M406R/P	E156p25HF	M40 x 1.5	36	20.0–25.0	9.0	87.0	20
	NVNZ-M406S/P2		EK156p28	M40 x 1.5	36	24.0–28.0	9.0	87.0	20
	NVNZ-M409S/P1	NVNZ-M409R/P	E155p16	M40 x 1.5	29	11.5–15.5	8.0	73.0	20
	NVNZ-M409S/P2		E155p18	M40 x 1.5	29	14.0–18.0	8.0	73.0	20
	NVNZ-M409S/P3		E155p20	M40 x 1.5	29	17.0–20.5	8.0	73.0	20
	NVNZ-M409S/P4		E155p25	M40 x 1.5	29	20.0–25.0	8.0	73.0	20
	NVNZ-M409S/P5		E155p28	M40 x 1.5	29	24.0–28.0	8.0	73.0	20
	NVNZ-M506S/P1	NVNZ-M506R/P	E156p32	M50 x 1.5	36	27.0–32.0	9.0	89.5	20
	NVNZ-M506S/P3		E156p36	M50 x 1.5	36	32.0–36.0	9.0	89.5	20
	NVNZ-M508S/P2	NVNZ-M508R/P	E157p36HF	M50 x 1.5	48	32.0–36.0	9.0	92.0	10
	NVNZ-M508S/P3		E157p40HF	M50 x 1.5	48	36.0–40.0	9.0	92.0	10
NVNZ-M638S/P1	NVNZ-M638R/P	E158pm1x35	M63 x 1.5	48	32.0–35.0	10.0	90.5	10	
NVNZ-M638S/P2		E158p44	M63 x 1.5	48	39.0–44.0	10.0	90.5	10	

*without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available

R/P version of fitting has to be used in combination with multiple sealing inserts

① IP68GT available. Please replace "S" or "R" with "GT" (e.g. NVNZ-M120GT/P1, NVNZ-M120GT/P)

Fire barrier fittings with strain relief, metric, metal thread

Type VNZ

Type VNZ - Fire barrier straight fitting with strain relief, metric metal thread



	Order no. IP68 Compl., black ①	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-M120S/B1	M12 x 1.5	10	4.0–6.5	5.0	48.5	50
	NVNZ-M120S/B2	M12 x 1.5	10	5.0–8.0	5.0	48.5	50
	NVNZ-M120S/B3	M12 x 1.5	10	6.5–9.5	5.0	48.5	50
	NVNZ-M160S/B1	M16 x 1.5	10	4.0–6.5	6.0	49.5	50
	NVNZ-M160S/B2	M16 x 1.5	10	5.0–8.0	6.0	49.5	50
	NVNZ-M160S/B3	M16 x 1.5	10	6.5–9.5	6.0	49.5	50
	NVNZ-M202S/B1	M20 x 1.5	12	4.0–6.5	6.0	54.0	50
	NVNZ-M202S/B3	M20 x 1.5	12	6.5–9.5	6.0	54.0	50
	NVNZ-M202S/B4	M20 x 1.5	12	7.0–10.5	6.0	54.0	50
	NVNZ-M207S/B1	M20 x 1.5	17	4.0–6.5	6.5	60.0	50
	NVNZ-M207S/B2	M20 x 1.5	17	5.0–8.0	6.5	60.0	50
	NVNZ-M207S/B3	M20 x 1.5	17	6.5–9.5	6.5	60.0	50
	NVNZ-M207S/B4	M20 x 1.5	17	7.0–10.5	6.5	60.0	50
	NVNZ-M207S/B5	M20 x 1.5	17	9.0–13.0	6.5	60.0	50
	NVNZ-M253S/B5	M25 x 1.5	23	9.0–13.0	7.5	72.5	30
	NVNZ-M253S/B6	M25 x 1.5	23	11.5–15.5	7.5	72.5	30
	NVNZ-M257S/B4	M25 x 1.5	17	7.0–10.0	7.5	61.5	50
	NVNZ-M257S/B5	M25 x 1.5	17	9.0–13.0	7.5	61.5	50
	NVNZ-M257S/B6	M25 x 1.5	17	11.5–15.5	7.5	61.5	50
	NVNZ-M323S/B4	M32 x 1.5	23	14.0–18.0	8.0	73.0	30
	NVNZ-M323S/B5	M32 x 1.5	23	17.0–20.5	8.0	73.0	30
	NVNZ-M329S/B2	M32 x 1.5	29	14.0–18.0	8.0	73.0	50
	NVNZ-M329S/B3	M32 x 1.5	29	17.0–20.5	8.0	73.0	50
	NVNZ-M329S/B4	M32 x 1.5	29	20.0–25.0	8.0	73.0	50
	NVNZ-M406S/B1	M40 x 1.5	36	20.0–25.0	9.0	87.0	30
	NVNZ-M406S/B2	M40 x 1.5	36	24.0–28.0	9.0	87.0	30
	NVNZ-M409S/B1	M40 x 1.5	29	11.5–15.5	8.0	73.0	20
	NVNZ-M409S/B2	M40 x 1.5	29	14.0–18.0	8.0	73.0	20
	NVNZ-M409S/B3	M40 x 1.5	29	17.0–20.5	8.0	73.0	20
	NVNZ-M409S/B4	M40 x 1.5	29	20.0–25.0	8.0	73.0	20
	NVNZ-M409S/B5	M40 x 1.5	29	24.0–28.0	8.0	73.0	20
	NVNZ-M506S/B1	M50 x 1.5	36	27.0–32.0	9.0	89.5	20
	NVNZ-M506S/B3	M50 x 1.5	36	32.0–36.0	9.0	89.5	20
NVNZ-M508S/B2	M50 x 1.5	48	32.0–36.0	9.0	92.0	10	
NVNZ-M508S/B3	M50 x 1.5	48	36.0–40.0	9.0	92.0	10	
NVNZ-M638S/B1	M63 x 1.5	48	32.0–35.0	10.0	90.5	10	
NVNZ-M638S/B2	M63 x 1.5	48	39.0–44.0	10.0	90.5	10	

*without insert

Fire barrier function, according to standard EN45545-2/-3

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from T80S

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available

R/P version of fitting has to be used in combination with multiple sealing inserts

① IP68GT available. Please
replace "S" or "R" with "GT"
(e.g. NVNZ-M120GT/P1,
NVNZ-M120GT/P)

Metric fittings with strain relief, long metal thread

Type VNZ

Type VNZ - Straight fitting with strain relief, metric long metal thread



	Order no. IP68 Compl., black ①	Order no. fitting* ①	Order no. insert	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-M120S/P1-L	NVNZ-M120R/P-L	EK150p7	M12 x 1.5	10	4.0–6.5	15.0	66.5	50
	NVNZ-M120S/P3-L			M12 x 1.5	10	6.5–9.5	15.0	66.5	50
	NVNZ-M160S/P1-L	NVNZ-M160R/P-L	E150p7	M16 x 1.5	10	4.0–6.5	15.0	58.5	50
	NVNZ-M160S/P2-L		E150p8	M16 x 1.5	10	5.0–8.0	15.0	58.5	50
	NVNZ-M160S/P3-L		E150p9	M16 x 1.5	10	6.5–9.5	15.0	58.5	50
	NVNZ-M202S/P1-L	NVNZ-M202R/P-L	E152p7	M20 x 1.5	12	4.0–6.5	15.0	62.5	50
	NVNZ-M202S/P3-L		E152p9	M20 x 1.5	12	6.5–9.5	15.0	62.5	50
	NVNZ-M202S/P4-L		E152p11	M20 x 1.5	12	7.0–10.5	15.0	62.5	50
	NVNZ-M207S/P3-L	NVNZ-M207R/P-L	E152p9	M20 x 1.5	17	6.5–9.5	15.0	68.5	50
	NVNZ-M207S/P4-L		E152p11	M20 x 1.5	17	7.0–10.5	15.0	68.5	50
	NVNZ-M207S/P5-L		E152p13	M20 x 1.5	17	9.0–13.0	15.0	68.5	50
	NVNZ-M257S/P5-L	NVNZ-M257R/P-L	E153p13	M25 x 1.5	17	9.0–13.0	15.0	69.0	50
	NVNZ-M257S/P6-L		E153p16	M25 x 1.5	17	11.5–15.5	15.0	69.0	50
	NVNZ-M323S/P4-L	NVNZ-M323R/P-L	E154p18	M32 x 1.5	23	14.0–18.0	15.0	80.0	30
	NVNZ-M323S/P5-L	NVNZ-M323R1/P-L	E154p20	M32 x 1.5	23	17.0–20.5	15.0	80.0	30
	NVNZ-M329S/P2-L	NVNZ-M329R/P-L	E155p18	M32 x 1.5	29	14.0–18.0	15.0	91.0	20
	NVNZ-M329S/P3-L		E155p20	M32 x 1.5	29	17.0–20.5	15.0	91.0	20
	NVNZ-M409S/P3-L	NVNZ-M409R/P-L	E155p20	M40 x 1.5	29	17.0–20.5	15.0	80.0	20
	NVNZ-M409S/P4-L		E155p25	M40 x 1.5	29	20.0–25.0	15.0	80.0	20
	NVNZ-M409S/P5-L		E155p28	M40 x 1.5	29	24.0–28.0	15.0	80.0	20
	NVNZ-M506S/P1-L	NVNZ-M506R/P-L	E156p32	M50 x 1.5	36	27.0–32.0	15.0	94.5	20
	NVNZ-M506S/P3-L		E156p36	M50 x 1.5	36	32.0–36.0	15.0	94.5	20
	NVNZ-M508S/P2-L	NVNZ-M508R/P-L	E157p36HF	M50 x 1.5	48	32.0–36.0	15.0	97.0	10
	NVNZ-M508S/P3-L		E157p40HF	M50 x 1.5	48	36.0–40.0	15.0	97.0	10
	NVNZ-M638S/P1-L	NVNZ-M638R/P-L	E158pm1X35	M63 x 1.5	48	32.0–35.0	15.0	95.5	10
	NVNZ-M638S/P2-L		E158p44	M63 x 1.5	48	39.0–44.0	15.0	95.5	10

*without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available


R/P version of fitting has to be used in combination with multiple sealing inserts

① IP68GT available. Please replace "S" or "R" with "GT" (e.g. NVNZ-M120GT/P1-L)

Metric fittings with strain relief, long metal thread

Type VNZ

Type VNZ - Straight fitting with strain relief, metric long metal thread


	Order no. IP68 Compl., black	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-M120S-10	M12 x 1.5	10	3.0–6.0	10.0	54.5	50
	NVNZ-M120S-5	M12 x 1.5	10	3.0–6.0	5.0	49.5	50
	NVNZ-M160S-10	M16 x 1.5	10	5.0–9.0	10.0	58.0	50
	NVNZ-M160S-5	M16 x 1.5	10	5.0–9.0	5.0	53.0	50
	NVNZ-M162S-10	M16 x 1.5	12	5.0–9.0	10.0	61.0	50
	NVNZ-M162S-5	M16 x 1.5	12	5.0–9.0	5.0	56.0	50
	NVNZ-M202S-10	M20 x 1.5	12	9.0–13.0	10.0	64.5	50
	NVNZ-M202S-6	M20 x 1.5	12	9.0–13.0	6.0	60.5	50
	NVNZ-M207S-10	M20 x 1.5	17	9.0–13.0	10.0	72.0	50
	NVNZ-M207S-6	M20 x 1.5	17	9.0–13.0	6.0	68.0	50
	NVNZ-M257S-11	M25 x 1.5	17	11.0–16.0	10.0	74.0	50
	NVNZ-M257S-7	M25 x 1.5	17	11.0–16.0	6.0	70.0	50
	NVNZ-M253S-11	M25 x 1.5	23	11.0–16.0	11.0	78.5	30
	NVNZ-M253S-7	M25 x 1.5	23	11.0–16.0	7.0	74.5	30
	NVNZ-M323S-13	M32 x 1.5	23	14.0–21.0	11.0	87.5	30
	NVNZ-M323S-8	M32 x 1.5	23	14.0–21.0	7.0	82.5	30
	NVNZ-M329S-13	M32 x 1.5	29	14.0–21.0	13.0	84.0	20
	NVNZ-M329S-8	M32 x 1.5	29	14.0–21.0	8.0	79.0	20
	NVNZ-M409S-13	M40 x 1.5	29	19.0–27.0	13.0	86.0	20
	NVNZ-M409S-8	M40 x 1.5	29	19.0–27.0	8.0	81.0	20
	NVNZ-M406S-13	M40 x 1.5	36	19.0–27.0	13.0	99.0	20
	NVNZ-M406S-8	M40 x 1.5	36	19.0–27.0	8.0	94.0	20
	NVNZ-M506S-14	M50 x 1.5	36	24.0–35.0	14.0	106.0	20
	NVNZ-M506S-9	M50 x 1.5	36	24.0–35.0	9.0	101.0	20
	NVNZ-M508S-14	M50 x 1.5	48	24.0–35.0	14.0	104.5	10
	NVNZ-M508S-9	M50 x 1.5	48	24.0–35.0	9.0	99.5	10
	NVNZ-M638S-14	M63 x 1.5	48	32.0–42.0	14.0	110.0	10
	NVNZ-M638S-10	M63 x 1.5	48	32.0–42.0	10.0	106.0	10

For applications in railway vehicles and heavy machine construction
 For the separation of damp and dry areas
 Very high impact resistance
 With integrated strain relief for optimal ingress protection at the cable (up to IP68 / 5 bar)
 High thread and system connection strength
 Vibration-resistant connection to PMA conduits
 Easy assembly
 High conduit pull-out strength
 Very good chemical properties

Metric fittings, female polyamide thread

Type VI

Type VI - Straight fitting, metric female polyamide thread

	Order no. IP66, black	Order no. IP68, black ¹	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVID-M12MGT	–	M12 x 1.5	07	8.0	32.0	100
	BVID-M160GT	BVIR-M160	M16 x 1.5	10	8.0	33.5	50
	BVID-M162GT	BVIR-M162	M16 x 1.5	12	8.0	36.5	50
	–	BVIR-M202	M20 x 1.5	12	8.0	36.5	50
	BVID-M207GT	BVIR-M207	M20 x 1.5	17	8.0	44.5	50
	BVID-M253GT	BVIR-M253	M25 x 1.5	23	8.0	48.5	30
	–	BVIR-M257	M25 x 1.5	17	8.0	44.5	50
	BVID-M329GT	BVIR-M329	M32 x 1.5	29	10.0	51.5	20
	BVID-M406GT	BVIR-M406	M40 x 1.5	36	10.0	65.5	20
	BVID-M508GT	BVIR-M508	M50 x 1.5	48	10.0	65.5	10
	BVID-M638GT	BVIR-M638	M63 x 1.5	48	10.0	65.5	10

Approvals




For cable protection systems in a wide range of applications
 VID: IP66 static/IP54 dynamic, conduit side
 VIR: IP68 static/IP67 dynamic, conduit side
 No seal on female thread side

¹ IP68GT available. Please add
 “GT” after the order no.

Metric fittings, female metal thread

Type VIR

Type VIR - Straight fitting, female metric metal thread

	Order no. IP68, black ^①	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVIR-M120	M12 x 1.5	10	7.5	35.0	50
	NVIR-M160	M16 x 1.5	10	9.0	40.5	50
	NVIR-M162	M16 x 1.5	12	9.0	42.0	50
	NVIR-M207	M20 x 1.5	17	10.0	50.0	50
	NVIR-M253	M25 x 1.5	23	10.0	56.0	30
	NVIR-M329	M32 x 1.5	29	11.0	55.5	20
	NVIR-M406	M40 x 1.5	36	13.0	71.0	20
	NVIR-M508	M50 x 1.5	48	15.0	75.0	10
	NVIR-M638	M63 x 1.5	48	17.5	76.0	10

Approvals




For applications in railway vehicles and heavy machine construction
 High thread and system connection strengths
 VIR: IP68 static/IP67 dynamic, conduit side
 No seal on female thread side

^① IP68GT available. Please add
 "GT" after the order no.

Metric fittings, polyamide thread

Type VA

Type VA - 45° elbow fitting, metric thread

	Order no. IP66 ①	Order no. IP68* ① ②	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVAD-M120GT	–	M12 x 1.5	10	11.0	43.5 x 37.0	50
	BVAD-M160GT	BVAV-M160	M16 x 1.5	10	11.0	43.5 x 38.0	50
	BVAD-M162GT	BVAV-M162	M16 x 1.5	12	11.0	48.0 x 40.0	50
	BVAD-M202GT	BVAV-M202	M20 x 1.5	12	11.0	48.0 x 41.5	50
	BVAD-M207GT	BVAV-M207	M20 x 1.5	17	11.0	55.5 x 51.5	50
	BVAD-M253GT	BVAV-M253	M25 x 1.5	23	12.0	65.0 x 58.5	30
	BVAD-M329GT	BVAV-M329	M32 x 1.5	29	15.0	73.5 x 66.5	20
	BVAD-M406GT	BVAV-M406	M40 x 1.5	36	19.0	92.5 x 85.5	20
	BVAD-M506GT	BVAV-M506	M50 x 1.5	36	19.0	92.5 x 89.5	20
	BVAD-M508GT	BVAV-M508	M50 x 1.5	48	19.0	100.0 x 96.0	10
	BVAD-M638GT	BVAV-M638	M63 x 1.5	48	19.0	100.0 x 104.0	10

Approvals




① Please replace “B” for black with
“S” for grey in front of the order no.
② IP68GT available. Please add “GT”
after the order no.

Metric UL fittings, polyamide thread

Type UAV-M-UL

Type UAV - 45° elbow fitting, metric thread

	Order no. black	Thread metric	Fits to conduit size NW	Thread length (mm)	Outside Ø (mm)	Overall height (mm)	PU (pcs)
	BUAV-M207-UL	M20 x 1.5	17	11.0	29.5	51.5	50
	BUAV-M253-UL	M25 x 1.5	23	12.0	37.0	58.5	30
	BUAV-M329-UL	M32 x 1.5	29	15.0	44.0	66.5	20
	BUAV-M406-UL	M40 x 1.5	36	19.0	53.5	85.5	20
	BUAV-M506-UL	M50 x 1.5	36	19.0	53.5	89.5	20
	BUAV-M508-UL	M50 x 1.5	48	19.0	66.0	96.0	10
	BUAV-M638-UL	M63 x 1.5	48	19.0	66.0	104.0	10

Approvals




Extremely high impact resistance
 Vibration-resistant connection to PMA FLEXPlus conduits
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Free from halogens and cadmium
 Fits conduit profile coarse (G)
 Lock nut delivered with the fitting

Metric fittings, metal thread

Type VAV

Type VAV - 45° elbow fitting, metric metal thread

	Order no. IP68, black ①	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NVAV-M120-10	M12 x 1.5	10	10.0	48.5 x 37.0	50
	NVAV-M120-5	M12 x 1.5	10	5.0	43.5 x 37.0	50
	NVAV-M162-10	M16 x 1.5	12	10.0	53.0 x 40.5	50
	NVAV-M162-5	M16 x 1.5	12	5.0	48.0 x 40.5	50
	NVAV-M207-10	M20 x 1.5	17	10.0	60.5 x 51.5	50
	NVAV-M207-6	M20 x 1.5	17	6.0	56.5 x 51.5	50
	NVAV-M253-11	M25 x 1.5	23	11.0	70.0 x 60.5	30
	NVAV-M253-7	M25 x 1.5	23	7.0	66.0 x 60.5	30
	NVAV-M329-13	M32 x 1.5	29	13.0	77.0 x 68.0	20
	NVAV-M329-8	M32 x 1.5	29	8.0	72.0 x 68.0	20
	NVAV-M406-13	M40 x 1.5	36	13.0	94.0 x 87.5	20
	NVAV-M406-8	M40 x 1.5	36	8.0	89.0 x 87.5	20
	NVAV-M508-14	M50 x 1.5	48	14.0	102.0 x 101.0	10
	NVAV-M508-9	M50 x 1.5	48	9.0	97.0 x 101.0	10
	NVAV-M638-14	M63 x 1.5	48	14.0	102.0 x 104.0	10
	NVAV-M638-10	M63 x 1.5	48	10.0	98.0 x 104.0	10

Approvals




For applications in railway vehicles and heavy machine construction
High thread and system connection strength

① IP68GT available. Please add
"GT" prior to the thread
length (e.g. NVAV-M120GT-10,
NVBV-M120GT-10)

Metric fittings, polyamide thread

Type VB

Type VB - 90° curved elbow fitting, metric thread

	Order no. IP66 ①	Order no. IP68* ① ②	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVBD-M207GT	BVBV-M207	M20 x 1.5	17	11.0	47.5 x 73.0	50
	BVBD-M257GT	BVBV-M257	M25 x 1.5	17	12.0	48.5 x 76.0	50
	BVBD-M253GT	BVBV-M253	M25 x 1.5	23	12.0	57.5 x 83.0	30
	BVBD-M323GT	BVBV-M323	M32 x 1.5	23	15.0	61.0 x 87.5	30
	BVBD-M329GT	BVBV-M329	M32 x 1.5	29	15.0	70.5 x 93.0	20
	BVBD-M409GT	BVBV-M409	M40 x 1.5	29	19.0	74.5 x 98.5	20
	BVBD-M406GT	BVBV-M406	M40 x 1.5	36	19.0	85.0 x 121.0	20
	BVBD-M506GT	BVBV-M506	M50 x 1.5	36	19.0	85.0 x 125.0	20
	BVBD-M508GT	BVBV-M508	M50 x 1.5	48	19.0	98.5 x 130.0	10
	BVBD-M638GT	BVBV-M638	M63 x 1.5	48	19.0	98.5 x 138.0	10

Approvals



For cable protection systems in a wide range of applications
Smooth elbow allows easy threading of wires and cables



Note: For smaller conduit sizes NW 10 to NW 12 appropriate standard elbows of type VW are also available

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

Metric fittings, metal thread

Type VBV

Type VBV - 90° curved elbow fitting, metric metal thread

	Order no. IP68, black ①	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NVBV-M207-10	M20 x 1.5	17	10.0	51.0 x 73.0	50
	NVBV-M207-6	M20 x 1.5	17	6.0	47.0 x 73.0	50
	NVBV-M257-11	M25 x 1.5	17	11.0	52.0 x 76.0	50
	NVBV-M257-7	M25 x 1.5	17	7.0	48.0 x 76.0	50
	NVBV-M253-11	M25 x 1.5	23	11.0	62.5 x 85.0	30
	NVBV-M253-7	M25 x 1.5	23	7.0	58.5 x 85.0	30
	NVBV-M323-13	M32 x 1.5	23	13.0	64.5 x 89.0	30
	NVBV-M323-8	M32 x 1.5	23	8.0	59.5 x 89.0	30
	NVBV-M329-13	M32 x 1.5	29	13.0	74.0 x 94.5	20
	NVBV-M329-8	M32 x 1.5	29	8.0	69.0 x 94.5	20
	NVBV-M409-13	M40 x 1.5	29	13.0	75.5 x 100.5	20
	NVBV-M409-8	M40 x 1.5	29	8.0	70.5 x 100.5	20
	NVBV-M406-13	M40 x 1.5	36	13.0	86.5 x 123.0	20
	NVBV-M406-8	M40 x 1.5	36	8.0	81.5 x 123.0	20
	NVBV-M506-14	M50 x 1.5	36	14.0	87.5 x 130.0	20
	NVBV-M506-9	M50 x 1.5	36	9.0	82.5 x 130.0	20
	Approvals	NVBV-M508-14	M50 x 1.5	48	14.0	100.5 x 135.0
	NVBV-M508-9	M50 x 1.5	48	9.0	95.5 x 135.0	10
	NVBV-M638-10	M63 x 1.5	48	14.0	100.5 x 138.0	10
	NVBV-M638-14	M63 x 1.5	48	10.0	96.5 x 138.0	10

For applications in railway vehicles and heavy machine construction
High thread and system connection strength

Smooth elbow allows easy threading of wires and cables


Note: Appropriate standard elbows of type VW are available for smaller conduit sizes NW 10 to NW 12

① IP68GT available. Please add
"GT" prior to the thread
length (e.g. NVAV-M120GT-10,
NVBV-M120GT-10)

Swivel fittings, metric metal thread

Type SBV

Type SBV - Swivel 90° curved elbow fitting, metric metal thread

	Order no. IP68, black ①	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NSBV-M207-10	M20 x 1.5	17	10.0	62.5 x 74.5	1
	NSBV-M253-11	M25 x 1.5	23	11.0	73.0 x 87.5	1
	NSBV-M329-13	M32 x 1.5	29	13.0	86.5 x 98.0	1
	NSBV-M406-13	M40 x 1.5	36	13.0	98.5 x 127.5	1
	NSBV-M409-13	M40 x 1.5	29	13.0	86.5 x 98.0	1
	NSBV-M508-14	M50 x 1.5	48	14.0	113.5 x 139.0	1
	NSBV-M638-14	M63 x 1.5	48	14.0	110.0 x 139.0	1

Approvals




For applications with high technical requirements mainly in machine building
 Suitable for occasional rotation
 Thread and integrated swivel adapter made from nickel-plated brass
 High thread and system connection strength
 Smooth elbow allows easy threading of wires and cables

① IP68GT available. Please add
 "GT" prior to the thread length
 (for example NSBV-M329GT-13)

Metric fittings, polyamide thread

Type VW

Type VW - 90° elbow fitting, metric thread

	Order no. IP66 ①	Order no. IP68* ① ②	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVWD-M12MGT	BVWV-M12M	M12 x 1.5	07	11.0	32.0 x 35.0	100
	BVWD-M120GT	BVWV-M120	M12 x 1.5	10	11.0	34.0 x 39.5	50
	BVWD-M160GT	BVWV-M160	M16 x 1.5	10	11.0	34.0 x 40.5	50
	BVWD-M162GT	BVWV-M162	M16 x 1.5	12	11.0	38.5 x 46.0	50
	BVWD-M200GT	-	M20 x 1.5	10	11.0	34.0 x 42.5	50
	BVWD-M202GT	BVWV-M202	M20 x 1.5	12	11.0	38.5 x 47.5	50
	BVWD-M207GT	BVWV-M207	M20 x 1.5	17	11.0	43.5 x 58.5	50
	BVWD-M253GT	BVWV-M253	M25 x 1.5	23	12.0	54.0 x 65.0	30
	BVWD-M329GT	BVWV-M329	M32 x 1.5	29	15.0	64.5 x 73.0	20
	BVWD-M406GT	BVWV-M406	M40 x 1.5	36	19.0	78.0 x 96.0	20
	BVWD-M508GT	BVWV-M508	M50 x 1.5	48	19.0	91.5 x 106.0	10

Approvals




For cable protection systems in a wide range of applications
Note: For sizes NW 17 to NW 48 curved elbows of type VB are also available

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

Metric UL fittings, polyamide thread

Type UWV-M-UL

Type UWV-M-UL - 90° elbow fitting, metric thread

	Order no. black	Thread metric	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	Overall height (mm)	PU (pcs)
	BUWV-M207-UL	M20 x 1.5	17	11.0	58.5	43.5	50
	BUWV-M253-UL	M25 x 1.5	23	12.0	65.0	54.0	30
	BUWV-M329-UL	M32 x 1.5	29	15.0	73.0	64.5	20
	BUWV-M406-UL	M40 x 1.5	36	19.0	69.0	78.0	20
	BUWV-M508-UL	M50 x 1.5	48	19.0	106.0	91.5	10

Approvals





Extremely high impact resistance
 Vibration-resistant connection to PMA FLEXPlus conduits
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Free from halogens and cadmium
 Fits conduit profile coarse (G)
 Lock nut delivered with the fitting

Metric fittings, metal thread

Type VWV

Type VWV - 90° elbow fitting, metric metal thread

	Order no. IP68, black ¹	Thread metric	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)	
	NVWV-M120-10	M12 x 1.5	10	10.0	37.5 x 39.5	50	
	NVWV-M120-5	M12 x 1.5	10	5.0	32.5 x 39.5	50	
	NVWV-M160-10	M16 x 1.5	10	10.0	37.5 x 41.5	50	
	NVWV-M160-5	M16 x 1.5	10	5.0	32.5 x 41.5	50	
	NVWV-M162-10	M16 x 1.5	12	10.0	42.0 x 46.5	50	
	NVWV-M162-5	M16 x 1.5	12	5.0	37.0 x 46.5	50	
	NVWV-M202-10	M20 x 1.5	12	10.0	42.0 x 49.0	50	
	NVWV-M202-6	M20 x 1.5	12	6.0	38.0 x 49.0	50	
	NVWV-M207-10	M20 x 1.5	17	10.0	47.0 x 58.5	30	
	NVWV-M207-6	M20 x 1.5	17	6.0	43.0 x 58.5	30	
	NVWV-M253-11	M25 x 1.5	23	11.0	59.0 x 67.0	20	
	NVWV-M253-7	M25 x 1.5	23	7.0	55.0 x 67.0	20	
	NVWV-M329-13	M32 x 1.5	29	13.0	68.0 x 74.5	20	
	NVWV-M329-8	M32 x 1.5	29	8.0	63.0 x 74.5	20	
	NVWV-M406-13	M40 x 1.5	36	13.0	80.5 x 98.0	20	
	NVWV-M406-8	M40 x 1.5	36	8.0	75.5 x 98.0	20	
	Approvals	NVWV-M508-14	M50 x 1.5	48	14.0	95.5 x 111.0	10
		NVWV-M508-9	M50 x 1.5	48	9.0	90.5 x 111.0	10
NVWV-M638-14		M63 x 1.5	48	14.0	94.5 x 114.0	10	
NVWV-M638-10		M63 x 1.5	48	10.0	90.5 x 114.0	10	

For applications in railway vehicles and heavy machine construction
High thread and system connection strength

Note: Curved elbows of type VB are also available for sizes NW 17 to NW 48

¹ IP68GT available. Please add
"GT" prior to the thread length
(e.g. NVWV-M120GT-10)

Metric fittings with strain relief, metal thread

Type VWZ

Type VWZ - 90° elbow fitting with strain relief, metric metal thread



	Order no. IP68 Compl., black ①	Order no. fitting* ①	Order no. insert	Thread metric	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVWZ-M160S/P1	NVWZ-M160R/P	E150p7	M16 x 1.5	10	4.0–6.5	8.0	65.0	50
	NVWZ-M160S/P2	–	E150p8	M16 x 1.5	10	5.0–8.0	8.0	65.0	50
	NVWZ-M160S/P3	–	E150p9	M16 x 1.5	10	6.5–9.5	8.0	65.0	50
	NVWZ-M202S/P1	NVWZ-M202R/P	E152p7	M20 x 1.5	12	4.0–6.5	8.0	74.5	50
	NVWZ-M202S/P3	–	E152p9	M20 x 1.5	12	6.5–9.5	8.0	74.5	50
	NVWZ-M202S/P4	–	E152p11	M20 x 1.5	12	7.0–10.5	8.0	74.5	50
	NVWZ-M207S/P1	NVWZ-M207R/P	E152p7	M20 x 1.5	17	4.0–6.5	8.0	81.0	50
	NVWZ-M207S/P3	–	E152p9	M20 x 1.5	17	6.5–9.5	8.0	81.0	50
	NVWZ-M207S/P4	–	E152p11	M20 x 1.5	17	7.0–10.5	8.0	81.0	50
	NVWZ-M207S/P5	–	E152p13	M20 x 1.5	17	9.0–13.0	8.0	81.0	50
	NVWZ-M257S/P5	NVWZ-M257R/P	E153p13	M25 x 1.5	17	9.0–13.0	8.0	84.0	50
	NVWZ-M257S/P6	–	E153p16	M25 x 1.5	17	11.5–15.5	8.0	84.0	50

*without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Straight fitting: Specially formulated polyamide 6

90° elbow: Zinc diecast

Female thread and locknut: Nickel-plated brass

Pflitsch sealing insert: TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

① IP68GT available. Please replace "S" or "R" with "GT" (e.g. NVWZ-M160GT/P1)

PG fittings, polyamide thread

Type VN

Type VN - Straight fitting, PG thread

	Order no. IP66 ①	Order no. IP68 ① ②	Thread PG	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVND-P07MGT-11	BVNV-P07M	07	07	11.0	34.5	100
	BVND-P070GT-11	BVNV-P070	07	10	11.0	36.5	100
	BVND-P072GT-11	BVNV-P072	07	12	11.0	39.0	100
	BVND-P09MGT-11	BVNV-P09M	09	07	11.0	34.5	100
	BVND-P090GT-11	BVNV-P090	09	10	11.0	36.5	100
	BVND-P092GT-11	BVNV-P092	09	12	11.0	39.0	100
	BVND-P097GT-11	BVNV-P097	09	17	11.0	47.5	100
	BVND-P11MGT-11	BVNV-P11M	11	07	11.0	34.5	100
	BVND-P110GT-11	BVNV-P110	11	10	11.0	36.5	100
	BVND-P112GT-11	BVNV-P112	11	12	11.0	39.0	100
	BVND-P117GT-11	BVNV-P117	11	17	11.0	47.5	100
	BVND-P13MGT-11	BVNV-P13M	13.5	07	11.0	34.5	100
	BVND-P130GT-11	BVNV-P130	13.5	10	11.0	36.5	100
	BVND-P132GT-11	BVNV-P132	13.5	12	11.0	39.0	100
	BVND-P137GT-11	BVNV-P137	13.5	17	11.0	47.5	100
	BVND-P160GT-11	-	16	10	11.0	36.5	100
	BVND-P162GT-11	BVNV-P162	16	12	11.0	39.0	100
	BVND-P163GT-11	BVNV-P163	16	23	11.0	51.0	100
	BVND-P167GT-11	BVNV-P167	16	17	11.0	47.5	50
	BVND-P213GT	BVNV-P213	21	23	12.0	52.0	50
	BVND-P296GT	BVNV-P296	29	36	12.0	67.5	20
	BVND-P299GT	BVNV-P299	29	29	12.0	53.0	30
	BVND-P366GT	BVNV-P366	36	36	13.0	66.0	20
	BVND-P368GT	BVNV-P368	36	48	13.0	68.5	10
	BVND-P428GT	BVNV-P428	42	48	13.0	68.5	10
	BVND-P488GT	BVNV-P488	48	48	13.0	66.5	10

Approvals




For cable protection systems in a wide range of applications

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

PG fittings, metal thread

Type VNV

Type VNV - Straight fitting, PG metal thread

	Order no. IP68, black ^①	Order no. IP68, grey ^①	Thread PG	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNV-P090	MVNV-P090	09	10	12.0	42.0	50
	NVNV-P112	MVNV-P112	11	12	12.0	45.0	50
	NVNV-P137	MVNV-P137	13.5	17	13.0	54.0	50
	NVNV-P167	MVNV-P167	16	17	13.0	54.0	50
	NVNV-P213	MVNV-P213	21	23	14.0	57.0	30
	NVNV-P293	MVNV-P293	29	23	14.0	57.0	30
	NVNV-P299	MVNV-P299	29	29	14.0	58.5	20
	NVNV-P366	MVNV-P366	36	36	17.0	75.5	20
	NVNV-P488	MVNV-P488	48	48	17.0	75.5	10

Approvals




For applications in railway vehicles and heavy machine construction
High thread and system connection strength

^① IP68GT available. Please add
"GT" prior to the thread length
(for example NVNV-N022GT)

PG fittings, polyamide thread

Type VNDZ/VNZ

Type VNDZ/VNZ - Straight fitting with strain relief, PG thread

	Order no. IP66 ①	Order no. IP68 ① ②	Thread PG	Fits to conduit size NW	Terminal range	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVNDZ-P090GT	BVNZ-P090S	09	10	4.0–8.0	7.5	56.0	50
	BVNDZ-P112GT	BVNZ-P112S	11	12	5.0–10.0	8.0	60.5	50
	BVNDZ-P132GT	BVNZ-P132S	13.5	12	6.0–12.0	9.0	62.0	50
	BVNDZ-P167GT	BVNZ-P167S	16	17	10.0–14.0	10.0	72.0	50
	BVNDZ-P213GT	BVNZ-P213S	21	23	13.0–18.0	11.0	82.0	30
	BVNDZ-P299GT	BVNZ-P299S	29	29	18.0–25.0	11.0	85.0	20
	BVNDZ-P366GT	BVNZ-P366S	36	36	22.0–32.0	13.0	112.0	20
	BVNDZ-P488GT	BVNZ-P488S	48	48	34.0–44.0	14.0	112.0	10

For machine and plant construction

For separation of damp and dry areas

Integrated strain relief optimally holds and seals cables

If several conductors are used with the fitting multiple sealing inserts should be considered

Note: For several conductors multiple sealing inserts MDE are available

PG fittings with strain relief, metal thread

Type VNZ

Type VNZ - Straight fitting with strain relief, PG metal thread



	Order no. IP68 Compl., black ①	Order no. fitting* ①	Order no. insert	Thread PG	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-P090S/P1	NVNZ-P090R/P	E150p7	09	10	4.0–6.5	6.0	49.5	50
	NVNZ-P090S/P3	–	E150p9	09	10	6.5–9.5	6.0	49.5	50
	NVNZ-P110S/P1	NVNZ-P110R/P	E151p7	11	10	4.0–6.5	6.0	52.0	50
	NVNZ-P110S/P3	–	E151p9	11	10	6.5–9.5	6.0	52.0	50
	NVNZ-P112S/P1	NVNZ-P112R/P	E151p7	11	12	4.0–6.5	6.0	53.5	50
	NVNZ-P112S/P3	–	E151p9	11	12	6.5–9.5	6.0	53.5	50
	NVNZ-P112S/P4	–	E151p11	11	12	7.0–10.5	6.0	53.5	50
	NVNZ-P160S/P1	NVNZ-P160R/P	E152p11	16	10	4.0–6.5	6.5	52.5	50
	NVNZ-P167S/P3	NVNZ-P167R/P	E153p9	16	17	6.5–9.5	6.5	61.0	50
	NVNZ-P167S/P4	–	E153p11	16	17	7.0–10.5	6.5	61.0	50
	NVNZ-P167S/P5	–	E153p13	16	17	9.0–13.0	6.5	61.0	50
	NVNZ-P167S/P6	–	E153p16	16	17	11.5–15.5	6.5	61.0	50
	NVNZ-P213S/P1	NVNZ-P213R/P	E154p11	21	23	7.0–10.5	7.0	72.0	30
	NVNZ-P213S/P4	–	E154p18	21	23	14.0–18.0	7.0	72.0	30
	NVNZ-P213S/P5	NVNZ-P213R1/P	E154p20	21	23	17.0–20.5	7.0	72.0	30
	NVNZ-P299S/P3	NVNZ-P299R/P	E155p20	29	29	17.0–20.5	8.0	73.5	20
	NVNZ-P299S/P4	–	E155p25	29	29	20.0–25.0	8.0	73.5	20
	NVNZ-P299S/P5	–	E155p28	29	29	24.0–28.0	8.0	73.5	20
	NVNZ-P366S/P1	NVNZ-P366R/P	E156p32	36	36	27.0–32.0	9.0	88.0	20
	NVNZ-P366S/P2	–	E156p34	36	36	29.0–34.0	9.0	88.0	20
NVNZ-P366S/P3	–	E156p36	36	36	32.0–36.0	9.0	88.0	20	
NVNZ-P488S/P1	NVNZ-P488R/P	E158pm 1x35	48	48	32.0–35.0	10.0	90.5	10	
NVNZ-P488S/P2	–	E158p44	48	48	39.0–44.0	10.0	90.5	10	

*without insert

For applications in railway vehicles and heavy machine construction

For the separation of damp and dry areas

Sealing inserts are made from TPE-V

With integrated strain relief and optimal ingress protection at the cable (up to IP68/10 bar)

High thread and system connection strength

Temperature range sealing insert Pflitsch: -40°C to +135°C

Note: For several conductors multiple sealing inserts MDE are available


R/P version of fitting has to be used in combination with multiple sealing inserts

① IP68GT available. Please replace “S” or “R” with “GT” (e.g. NVNZ-P112GT/P1)

PG fittings with strain relief, metal thread

Type VNZ

Type VNZ - Straight fitting with strain relief, PG metal thread


	Order no. IP68 Compl., black	Thread PG	Fits to conduit size NW	Terminal range (mm)	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNZ-P07MS	07	7	3.0–6.5	5.0	45.0	100
	NVNZ-P090S	09	10	4.0–8.0	6.0	53.0	50
	NVNZ-P110S	11	10	5.0–10.0	6.0	54.5	50
	NVNZ-P112S	11	12	5.0–10.0	6.0	57.0	50
	NVNZ-P167S	16	17	10.0–14.0	6.5	64.5	50
	NVNZ-P213S	21	23	13.0–18.0	7.0	73.0	30
	NVNZ-P299S	29	29	18.0–25.0	8.0	78.0	20
	NVNZ-P366S	36	36	24.0–32.0	9.0	94.0	20
	NVNZ-P368S/01	36	48	29.0–35.0	9.0	116.0	10
	NVNZ-P488S	48	48	34.0–44.0	10.0	102.0	10

For applications in railway vehicles and heavy machine construction
 For the separation of damp and dry areas
 Very high impact resistance
 With integrated strain relief for optimal ingress protection at the cable (up to IP68 / 5 bar)
 High thread and system connection strength
 Vibration-resistant connection to PMA conduits
 Easy assembly
 High conduit pull-out strength
 Very good chemical properties

PG fittings, female metal thread

Type VIZR

Type VIZR - Straight fitting, PG female metal thread

	Order no. IP68, black ¹	Thread PG	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVIZR-P07M	07	07	6.0	35.0	100
	NVIZR-P090	09	10	9.0	38.5	50
	NVIZR-P110	11	10	9.0	41.0	50
	NVIZR-P112	11	12	9.0	42.0	50
	NVIZR-P137	13.5	17	8.0	46.5	50
	NVIZR-P167	16	17	9.5	48.0	50
	NVIZR-P213	21	23	10.0	58.0	30
	NVIZR-P299	29	29	12.5	57.0	20
	NVIZR-P366	36	36	13.0	76.0	20
	NVIZR-P488	48	48	14.0	75.0	20


For applications in railway vehicles and heavy machine construction
 High thread and system connection strengths
 VIZR: IP68 static/IP67 dynamic, conduit side
 No seal on female thread side

¹ IP68GT available. Please add
 "GT" after the order no.

PG fittings, polyamide thread

Type VA

Type VA - 45° elbow fitting, PG thread

	Order no. IP66 ①	Order no. IP68 ① ②	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVAD-P090GT	BVAV-P090	09	10	11.0	43.5 x 37.0	50
	BVAD-P112GT	BVAV-P112	11	12	11.0	48.0 x 40.0	50
	BVAD-P167GT	BVAV-P167	16	17	11.0	55.5 x 51.5	50
	BVAD-P213GT	BVAV-P213	21	23	11.0	63.0 x 58.0	30
	BVAD-P299GT	BVAV-P299	29	29	12.0	69.0 x 66.0	20
	BVAD-P366GT	BVAV-P366	36	36	13.0	86.0 x 86.0	20
	BVAD-P488GT	BVAV-P488	48	48	13.0	94.0 x 100.0	10

Approvals





For cable protection systems in a wide range of applications

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

PG fittings, metal thread

Type VAV

Type VAV - 45° elbow fitting, PG metal thread

	Order no. IP68, black 	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NVAV-P090	09	10	12.0	50.5 x 37.0	50
	NVAV-P112	11	12	12.0	55.0 x 40.5	50
	NVAV-P137	13.5	17	13.0	63.5 x 50.0	50
	NVAV-P167	16	17	13.0	63.5 x 50.0	50
	NVAV-P213	21	23	14.0	73.0 x 60.5	30
	NVAV-P299	29	29	14.0	78.0 x 68.0	20
	NVAV-P366	36	36	17.0	98.0 x 87.5	20
	NVAV-P488	48	48	17.0	105.0 x 101.0	10

Approvals




For applications in railway vehicles and heavy machine construction
High thread and system connection strength

PG fittings, polyamide thread

Type VB

Type VB - 90° curved elbow fitting, PG thread

	Order no. IP66 ①	Order no. IP68 ① ②	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVBD-P167GT	BVBV-P167	16	17	11.0	47.5 x 73.0	50
	BVBD-P213GT	BVBV-P213	21	23	12.0	57.5 x 85.0	30
	BVBD-P299GT	BVBV-P299	29	29	12.0	67.5 x 96.0	20
	BVBD-P366GT	BVBV-P366	36	36	13.0	79.0 x 123.0	20
	BVBD-P488GT	BVBV-P488	48	48	13.0	92.5 x 135.0	10

Approvals



For cable protection systems in a wide range of applications
Smooth elbow allows easy threading of wires and cables


Note: For smaller conduit sizes NW 07 to NW 12 appropriate standard elbows of type VW are also available

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

PG fittings, metal thread

Type VBV

Type VBV - 90° curved elbow fitting, PG metal thread

	Order no. IP68, black ①	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NVBV-P167	16	17	13.0	54.0 x 73.0	50
	NVBV-P213	21	23	14.0	65.5 x 85.0	30
	NVBV-P299	29	29	14.0	75.0 x 96.0	20
	NVBV-P366	36	36	17.0	90.5 x 123.0	20
	NVBV-P488	48	48	17.0	103.5 x 135.0	10

Approvals



For applications in railway vehicles and heavy machine construction
High thread and system connection strength

Smooth elbow allows easy threading of wires and cables


Note: For smaller conduit sizes NW 10 to NW 12 appropriate standard elbows of type VW are also available

① IP68GT available. Please add
"GT" after the order no.

Swivel fittings, PG metal thread

Type SBV

Type SBV - Swivel 90° curved elbow fitting, PG metal thread

	Order no. IP68, black ^①	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NSBV-P167-6.5	16	17	6.5	58.0 x 74.5	1
	NSBV-P213-7	21	23	7.0	69.0 x 87.5	1
	NSBV-P299-8	29	29	8.0	80.0 x 98.0	1
	NSBV-P366-9	36	36	9.0	91.5 x 127.5	1
	NSBV-P488-10	48	48	10.0	106.0 x 139.0	1

Approvals




For applications with high technical requirements mainly in machine building
 Suitable for occasional rotation
 Thread and integrated swivel adapter made from nickel-plated brass
 High thread and system connection strength
 Smooth elbow allows easy threading of wires and cables

^① IP68GT available. Please add
 "GT" prior to the thread length
 (for example NSBV-NSBV-P366GT-9)

PG fittings, polyamide thread

Type VW

Type VW - 90° elbow fitting, PG thread

	Order no. IP66 ①	Order no. IP68 ① ②	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVWD-P07MGT-11	-	07	07	11.0	32.0 x 35.0	100
	BVWD-P070GT-11	BVWV-P070	07	10	11.0	34.0 x 39.5	50
	BVWD-P09MGT-11	-	09	07	11.0	32.0 x 36.5	100
	BVWD-P090GT-11	BVWV-P090	09	10	11.0	34.0 x 39.5	50
	BVWD-P092GT-11	-	09	12	11.0	38.5 x 44.5	50
	BVWD-P11MGT-11	-	11	07	11.0	32.0 x 38.0	100
	BVWD-P110GT-11	BVWV-P110	11	10	11.0	34.0 x 41.0	50
	BVWD-P112GT-11	BVWV-P112	11	12	11.0	38.5 x 46.0	50
	BVWD-P13MGT-11	BVWV-P13M	13.5	07	11.0	32.0 x 39.5	50
	BVWD-P130GT-11	BVWV-P130	13.5	10	11.0	34.0 x 42.5	50
	BVWD-P132GT-11	BVWV-P132	13.5	12	11.0	38.5 x 47.5	50
	BVWD-P137GT-11	BVWV-P137	13.5	17	11.0	43.5 x 58.5	50
	BVWD-P167GT-11	BVWV-P167	16	17	11.0	43.5 x 58.5	50
	BVWD-P213GT	BVWV-P213	21	23	12.0	54.0 x 67.0	30
	BVWD-P299GT	BVWV-P299	29	29	12.0	61.5 x 74.5	20
	BVWD-P366GT	BVWV-P366	36	36	13.0	72.0 x 98.0	20
	BVWD-P488GT	BVWV-P488	48	48	13.0	85.5 x 111.0	10

Approvals




For cable protection systems in a wide range of applications
Note: For sizes NW 17 to NW 48 curved elbows of type VB are also available

① Please replace "B" for black with "S" for grey in front of the order no.
 ② IP68GT available. Please add "GT" after the order no.

PG fittings, metal thread

Type VWV

Type VWV - 90° elbow fitting, PG metal thread

	Order no. IP68, black ①	Order no. IP68, grey ①	Thread PG	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NVWV-P090	MVWV-P090	09	10	12.0	39.5 x 39.5	50
	NVWV-P112	MVWV-P112	11	12	12.0	45.5 x 45.0	50
	NVWV-P137	MVWV-P137	13.5	17	13.0	50.0 x 58.5	50
	NVWV-P167	MVWV-P167	16	17	13.0	50.0 x 58.5	50
	NVWV-P213	MVWV-P213	21	23	14.0	62.0 x 67.0	30
	NVWV-P299	MVWV-P299	29	29	14.0	69.0 x 74.5	20
	NVWV-P366	MVWV-P366	36	36	17.0	83.5 x 98.0	20
	NVWV-P488	MVWV-P488	48	48	17.0	96.5 x 111.0	10

Approvals




For applications in railway vehicles and heavy machine construction
 High thread and system connection strength
Note: Curved elbows of type VB are also available for sizes NW 17 to NW 48

① IP68GT available. Please add "GT" after the order no.

NPT fittings, polyamide thread

Type VN

Type VN - Straight fitting, NPT thread

	Order no. IP66, black	PU (pcs)	Order no. IP68, black ¹	PU (pcs)	Thread NPT	Fits to conduit size NW	Thread length (mm)	Overall length (mm)
	BVND-N022GT	100	BVNV-N022	50	½"	12	13.0	41.5
	BVND-N027GT	100	BVNV-N027	50	½"	17	13.0	49.5
	BVND-N043GT	30	BVNV-N043	30	¾"	23	14.0	54.0
	BVND-N069GT	20	BVNV-N069	20	1"	29	15.0	56.0
	BVND-N076GT	20	BVNV-N076	20	1¼"	36	18.0	71.0
	BVND-N088GT	10	BVNV-N088	10	1½"	48	18.0	71.5
	BVND-N098GT	10	BVNV-N098	10	2"	48	18.0	71.5

Approvals




For cable protection systems in a wide range of applications

¹ IP68GT available. Please add "GT" after the order no.

NPT UL fittings, polyamide thread

Type UNV-N-UL

Type UNV-N-UL - Straight fitting, NPT polyamide thread

	Order no. black	Thread size NPT	Fits to conduit size NW	Thread length (mm)	Outside Ø (mm)	Overall length (mm)	PU (pcs)
	BUNV-N027-UL	½"	17	13.0	29.5	49.5	50
	BUNV-N043-UL	¾"	23	14.0	37.0	54.0	30
	BUNV-N069-UL	1"	29	15.0	44.0	56.0	20
	BUNV-N076-UL	1¼"	36	18.0	55.0	71.0	20
	BUNV-N088-UL	1½"	48	18.0	69.0	71.5	10
	BUNV-N098-UL	2"	48	18.0	69.0	71.5	10
	UNV-N-UL						

Approvals




- Extremely high impact resistance
- Vibration-resistant connection to PMA FLEXPlus conduits
- Easy installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits conduit profile coarse (G)
- Lock nuts available on request

NPT fittings, metal thread

Type VNV

Type VNV - Straight fitting, NPT metal thread

	Order no. IP68, black ¹	Thread NPT	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NVNV-N022	½"	12	15.4	48.1	50
	NVNV-N027	½"	17	15.4	56.4	50
	NVNV-N043	¾"	23	15.7	58.7	30
	NVNV-N069	1"	29	19.6	63.9	20
	NVNV-N076	1¼"	36	20.2	78.6	20
	NVNV-N088	1½"	48	20.6	79.0	10
	NVNV-N098	2"	48	21.4	79.8	10

Approvals




For applications in railway vehicles and heavy machine construction
High thread and system connection strength

¹ IP68GT available. Please add
"GT" prior to the thread length
(for example NVNV-N022GT)

Swivel fittings, NPT, metal thread

Type SNV

Type SNV - Swivel metal thread fitting, NPT thread, IP68

	Order no. black	Thread NPT	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	NSNV-N022/01	½"	12	11.8	57.4	1
	NSNV-N027/01	½"	17	11.8	66.2	1
	NSNV-N043/01	¾"	23	12.1	72.0	1
	NSNV-N069/01	1"	29	15.2	77.4	1
	NSNV-N076/01	1 ¼"	36	15.8	91.4	1
	NSNV-N088/01	1 ½"	48	16.2	92.8	1
	NSNV-N098/01	2"	48	17.0	95.1	1

Approvals




For applications with high technical requirements
 Very high impact resistance
 High thread and system connection strength
 Vibration-proof connection to PMA conduits
 Suitable for occasional rotation
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Fits both conduit profiles - fine (T) and coarse (G)

NPT fittings, polyamide thread

Type VA

Type VA - 45° elbow fitting, NPT thread

	Order no. IP66, black	Order no. IP68, black ¹	Thread NPT	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVAD-N022GT	BVAV-N022	½"	12	13.0	50.0 x 41.5	50
	BVAD-N027GT	BVAV-N027	½"	17	13.0	57.5 x 51.5	50
	BVAD-N043GT	BVAV-N043	¾"	23	14.0	67.0 x 60.0	30
	BVAD-N069GT	BVAV-N069	1"	29	15.0	73.5 x 67.0	20
	BVAD-N076GT	BVAV-N076	1¼"	36	18.0	91.5 x 85.5	20
	BVAD-N088GT	BVAV-N088	1½"	48	18.0	99.0 x 96.0	10
	–	BVAV-N098	2"	48	18.0	99.0 x 101.0	10

Approvals




For cable protection systems in a wide range of applications

¹ IP68GT available. Please add "GT" after the order no.

NPT UL fittings, polyamide thread

Type UAV-N-UL

Type UAV-N-UL - 45° elbow fitting, NPT polyamide thread

	Order no. black	Thread size NPT	Fits to conduit size NW	Thread length (mm)	Outside Ø (mm)	Overall length (mm)	Overall height (mm)	PU (pcs)
	BUAV-N027-UL	½"	17	13.0	29.5	57.5	51.5	50
	BUAV-N043-UL	¾"	23	14.0	37.0	67.0	60.0	30
	BUAV-N069-UL	1"	29	15.0	44.0	73.5	67.0	20
	BUAV-N076-UL	1¼"	36	18.0	53.5	91.5	85.5	20
	BUAV-N088-UL	1½"	36	18.0	66.0	99.0	96.0	10
	BUAV-N098-UL	2"	48	18.0	66.0	99.0	101.0	10

Approvals




- Extremely high impact resistance
- Vibration-resistant connection to PMA FLEXPlus conduits
- Easy installation
- High conduit pull-out strength
- Very good chemical properties
- Free from halogens and cadmium
- Fits conduit profile coarse (G)
- Lock nuts available on request

Swivel fittings, NPT metal thread

Type SWV/SBV

Type SWV/SBV - Swivel 90° curved elbow fitting, NPT metal thread

	Order no. IP68, black ①	Thread NPT	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	NSWV-N022/01	½"	12	15.4	57.0 x 48.5	1
	NSBV-N027/01	½"	17	15.4	66.5 x 74.5	1
	NSBV-N043/01	¾"	23	15.7	77.5 x 87.5	1
	NSBV-N069/01	1"	29	19.6	92.0 x 98.0	1
	NSBV-N076/01	1¼"	36	20.2	104.5 x 125.5	1
	NSBV-N088/01	1½"	48	20.6	118.5 x 138.5	1
	NSBV-N098/01	2"	48	21.4	119.5 x 138.5	1

Approvals




For applications with high technical requirements mainly in heavy machine building and rail applications
 Suitable for occasional rotation
 Thread and integrated swivel adapter made from colourless anodized aluminium
 High thread and system connection strength
 Smooth elbow allows easy threading of wires and cables

① IP68GT available. Please add
 "GT" prior to the thread length
 (for example NSBV-M329GT-13)

NPT fittings, polyamide thread

Type VW

Type VW - 90° elbow fitting, NPT polyamide thread

	Order no. IP66, black	Order no. IP68, black ^①	Thread NPT	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVWD-N022GT	BVWV-N022	½"	12	13.0	40.5 x 47.5	50
	BVWD-N027GT	BVWV-N027	½"	17	13.0	45.5 x 58.5	50
	BVWD-N043GT	BVWV-N043	¾"	23	14.0	56.0 x 66.5	30
	BVWD-N069GT	BVWV-N069	1"	29	15.0	64.5 x 73.5	20
	BVWD-N076GT	BVWV-N076	1¼"	36	18.0	77.0 x 96.0	20
	BVWD-N088GT	BVWV-N088	1½"	48	18.0	90.5 x 106.0	10
	BVWD-N098GT	BVWV-N098	2"	48	18.0	90.5 x 111.0	10

Approvals




For applications in railway vehicles and heavy machine construction
High thread and system connection strength
Note: Curved elbows of type VB are also available for sizes NW 17 to NW 48

^① IP68GT available. Please add "GT" after the order no.

NPT UL fittings, polyamide thread

Type UWV-N-UL

Type UWV-M-UL - 90° elbow fitting, NPT polyamide thread

	Order no. black	Thread size NPT	Fits to conduit size NW	Thread length (mm)	Outside Ø (mm)	Overall length (mm)	Overall height (mm)	PU (pcs)
	BUWV-N027-UL	½"	17	13.0	29.5	58.5	45.5	50
	BUWV-N043-UL	¾"	23	14.0	37.0	66.5	56.0	30
	BUWV-N069-UL	1"	29	15.0	44.0	73.5	64.5	20
	BUWV-N076-UL	1¼"	36	18.0	53.5	96.0	77.0	20
	BUWV-N088-UL	1½"	48	18.0	66.0	106.0	90.5	10
	BUWV-N098-UL	2"	48	18.0	66.0	111.0	90.5	10

Approvals




Extremely high impact resistance
 Vibration-resistant connection to PMA FLEXPlus conduits
 Easy installation
 High conduit pull-out strength
 Very good chemical properties
 Free from halogens and cadmium
 Fits conduit profile coarse (G)
 Lock nuts available on request

GAS fittings, polyamide thread


Type VN & VW

Type VN - Straight fitting, GAS thread

	Order no. IP66, black	Order no. IP68, black	Thread GAS	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVND-G00MGT	BVNV-G00M	¼"	07	11.0	34.5	100
	BVND-G000GT	BVNV-G000	¼"	10	11.0	36.5	100
	BVND-G010GT	BVNV-G010	⅜"	10	11.0	36.5	100
	BVND-G012GT	BVNV-G012	⅜"	12	11.0	39.0	100
	BVND-G022GT	BVNV-G022	½"	12	13.0	41.0	100
	BVND-G027GT	BVNV-G027	½"	17	13.0	49.5	100
	BVND-G043GT	BVNV-G043	¾"	23	14.0	54.0	50
	BVND-G069GT	BVNV-G069	1"	29	15.0	56.0	30
	BVND-G076GT	BVNV-G076	1¼"	36	18.0	71.0	20
	BVND-G088GT	BVNV-G088	1½"	48	18.0	71.5	10
	BVND-G098GT	BVNV-G098	2"	48	18.0	71.5	10

For cable protection systems in a wide range of applications

Type VW - 90° elbow fitting, GAS thread


	Order no. IP66, black	Thread GAS	Fits to conduit size NW	Thread length (mm)	External dimensions (mm)	PU (pcs)
	BVWD-G00MGT	¼"	07	11.0	32.0 x 36.5	50
	BVWD-G000GT	¼"	10	11.0	34.0 x 39.5	50
	BVWD-G010GT	⅜"	10	11.0	34.0 x 40.5	50
	BVWD-G012GT	⅜"	12	11.0	38.5 x 46.0	50
	BVWD-G022GT	½"	12	13.0	40.5 x 47.5	50
	BVWD-G027GT	½"	17	13.0	45.5 x 58.5	50
	BVWD-G043GT	¾"	23	14.0	56.0 x 66.5	30
	BVWD-G069GT	1"	29	15.0	64.5 x 73.5	20
	BVWD-G076GT	1¼"	36	18.0	77.0 x 96.0	20
	BVWD-G088GT	1½"	48	18.0	90.5 x 106.0	10
	BVWD-G098GT	2"	48	18.0	90.5 x 111.0	10

For cable protection systems in a wide range of applications

UNEF fittings, female polyamide thread


Type VI

Type VI - Straight fitting, UNEF female polyamide thread for AMP fittings

	Order no. IP66, black	Order no. IP68, black ①	Thread UNEF	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVIDA-U15MGT	BVIRA-U15M	5/8"–24	07	8.0	31.5	100
	BVIDA-U150GT	BVIRA-U150	5/8"–24	10	8.0	33.5	50
	BVIDA-U152GT	BVIRA-U152	5/8"–24	12	8.0	36.5	50
	BVIDA-U180GT	BVIRA-U180	3/4"–20	10	8.0	33.5	50
	BVIDA-U182GT	BVIRA-U182	3/4"–20	12	8.0	36.5	50
	BVIDA-U187GT	BVIRA-U187	3/4"–20	17	8.0	44.5	50
	BVIDA-U232GT	BVIRA-U232	1 5/16"–20	12	8.0	38.5	50
	BVIDA-U237GT	BVIRA-U237	1 5/16"–20	17	8.0	46.5	50
	BVIDA-U347GT	BVIRA-U347	1 3/8"–18	17	8.0	46.5	50
	BVIDA-U343GT	BVIRA-U343	1 3/8"–18	23	8.0	48.5	30
	BVIDA-U402GT	BVIRA-U402	1 5/8"–18	12	7.0	55.5	50
	BVIDA-U407GT	BVIRA-U407	1 5/8"–18	17	7.0	61.5	50
	BVIDA-U403GT	BVIRA-U403	1 5/8"–18	23	7.0	60.5	30

For cable protection systems in a wide range of applications
 Suitable for the AMP series CPC fitting
 VIDA: IP66 static/IP54 dynamic, conduit side. VIRA: IP68 static/IP67 dynamic, conduit side
 No seal on female thread side

Type VI - Straight fitting, UNEF female polyamide thread for Souriau fittings

	Order no. IP66, black	Order no. IP68, black ①	Thread UNEF	Fits to NW	Shell size UTG-6	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVIDB-U162GT	BVIRB-U162	1 1/16"–24	12	12–8	4.0	43.5	50
	BVIDB-U202GT	BVIRB-U202	1 3/16"–20	12	14–12	4.5	44.0	50
	BVIDB-U232GT	BVIRB-U232	1 5/16"–20	12	16–19	4.5	49.0	50
	BVIDB-U237GT	BVIRB-U237	1 5/16"–20	17	16–19	4.5	52.0	50
	BVIDB-U267GT	BVIRB-U267	1 1/4"–18	17	18–23	4.5	52.0	50
	BVIDB-U297GT	BVIRB-U297	1 3/4"–18	17	20–28	6.5	55.5	50
	BVIDB-U293GT	BVIRB-U293	1 3/4"–18	23	20–28	6.5	52.0	30
	BVIDB-U323GT	BVIRB-U323	1 5/8"–18	23	22–35	6.5	52.0	30
	BVIDB-U357GT	BVIRB-U357	1 7/8"–18	17	24–48	6.5	58.5	50
	BVIDB-U353GT	BVIRB-U353	1 7/8"–18	23	24–48	6.5	54.0	30
	BVIDB-U359GT	BVIRB-U359	1 7/8"–18	29	24–48	6.5	50.5	20

For cable protection systems in a wide range of applications
 Suitable for the Souriau fitting series UTG-6/ITT Cannon Trident
 VIDB: IP66 static/IP54 dynamic, conduit side. VIRB: IP68 static/IP67 dynamic, conduit side
 No seal on female thread side

	Order no. IP68, black ①	Thread UNEF	Fits to NW	Shell size UTG-6	Thread length (mm)	Overall length (mm)	PU (pcs)
	BVIRS-U162	1 1/16"–24	12	12	9.4	47.5	50
	BVIRS-U202	1 3/16"–20	12	14	9.4	47.5	50
	BVIRS-U237	1 5/16"–20	17	16	10.0	56.0	50
	BVIRS-U267	1 1/4"–18	17	18	9.2	55.5	50
	BVIRS-U323	1 5/8"–18	23	22	9.8	56.0	30
	BVIRS-U359	1 7/8"–18	29	24	9.7	55.5	20


For cable protection systems in a wide range of applications
 Suitable for the Souriau fitting series UTO and UTS
 VIRS: IP68 static/IP67 dynamic, conduit side. No seal on female thread side

① IP68GT available. Please add "GT" after the order no.

UNEF fittings, female polyamide thread

Type VI

Type VI - Straight fitting, UN female polyamide thread for MIL-C5015

	Order no. IP66, black	Order no. IP68, black ①	Thread UN	Fits to conduit size NW	Thread length (mm)	Overall length (mm)	PU (pcs)
	-	BVIVG-U152*	5/8" -24 UNEF	12	8.0	36.5	50
	-	BVIVG-U187*	3/4" -20 UNEF	17	9.0	46.5	50
	-	BVIVG-U210*	7/8" -20 UNEF	10	9.0	37.0	50
	BVIDG-U212GT	BVIVG-U212*	7/8" -20 UNEF	12	9.0	38.5	50
	BVIDG-U217GT	BVIVG-U217*	7/8" -20 UNEF	17	9.0	46.5	50
	BVIDG-U242GT	BVIVG-U242*	1" -20 UNEF	12	9.0	40.5	50
	-	BVIVG-U243*	1" -20 UNEF	23	9.0	55.0	30
	BVIDG-U247GT	BVIVG-U247*	1" -20 UNEF	17	9.0	47.5	50
	-	BVIVG-U292*	1 3/16" -18 UNEF	12	9.0	40.5	50
	BVIDG-U293GT	BVIVG-U293*	1 3/16" -18 UNEF	23	9.0	55.0	30
	BVIDG-U297GT	BVIVG-U297*	1 3/16" -18 UNEF	17	9.0	47.5	50
	-	BVIVG-U299*	1 3/16" -18 UNEF	29	9.0	47.0	20
	-	BVIVG-U349*	1 3/8" -18 UNEF	29	9.0	52.0	20
	-	BVIVG-U352*	1 7/16" -18 UNEF	12	9.0	39.0	50
	BVIDG-U353GT	BVIVG-U353*	1 7/16" -18 UNEF	23	9.0	52.0	30
	-	BVIVG-U356*	1 7/16" -18 UNEF	36	9.0	63.0	20
	BVIDG-U357GT	BVIVG-U357*	1 7/16" -18 UNEF	17	9.0	46.5	50
	BVIDG-U359GT	BVIVG-U359*	1 7/16" -18 UNEF	29	9.0	52.0	20
	BVIDG-U433GT	BVIVG-U433*	1 3/4" -18 UNS	23	10.0	52.0	30
	BVIDG-U436GT	BVIVG-U436*	1 3/4" -18 UNS	36	10.0	62.5	20
	-	BVIVG-U437*	1 3/4" -18 UNS	17	10.0	46.5	50
	BVIDG-U439GT	BVIVG-U439*	1 3/4" -18 UNS	29	10.0	51.5	20
	-	BVIVG-U503*	2" -18 UNS	23	10.0	51.5	30
	BVIDG-U506GT	BVIVG-U506*	2" -18 UNS	36	10.0	62.5	20
	-	BVIVG-U508*	2" -18 UNS	48	10.0	64.5	10
	BVIDG-U509GT	BVIVG-U509*	2" -18 UNS	29	10.0	55.0	20
	-	BVIVG-U563*	2 1/4" -16 UN	23	10.0	51.0	30
	BVIDG-U566GT	BVIVG-U566*	2 1/4" -16 UN	36	10.0	62.0	20
	-	BVIVG-U568*	2 1/4" -16 UN	48	10.0	64.0	10
	BVIDG-U569GT	BVIVG-U569*	2 1/4" -16 UN	29	10.0	51.0	20
-	BVIVG-U628*	2 1/2" -16 UN	48	10.0	64.0	10	

Approvals




For applications in machine, vehicle and traction building industries
 Suitable for MIL fitting series C5015
 VIDG: IP66 static/IP54 dynamic, conduit- and thread side
 VIVG: IP68 static/IP67 dynamic, conduit- and thread side
 No seal on female thread side
 * UL Recognition according to UL 1619

① IP68GT available. Please add
 "GT" after the order no.

Y, T piece

Type VY & VT

Type VY - Y piece


	Order no. IP66 ①	Order no. IP68 ① ②	1 x conduit size	2 x conduit size	PU (pcs)
			NW	NW	
	BVYD-100707GT	BVYR-100707	10	07	20
	BVYD-121010GT	BVYR-121010	12	10	20
	BVYD-171212GT	BVYR-171212	17	12	20
	BVYD-231717GT	BVYR-231717	23	17	20
	BVYD-292323GT	BVYR-292323	29	23	10
	BVYD-362929GT	BVYR-362929	36	29	5
	BVYD-483636GT	BVYR-483636	48	36	5

Approvals



Sizes can be adapted with AV conduit adapters to fit smaller conduit dimensions

Type VT - T piece

	Order no. IP66 ①	Order no. IP68 ① ②	3 x conduit size	PU (pcs)
			NW	
	BVTD-101010GT	BVTR-101010	10	20
	BVTD-121212GT	BVTR-121212	12	20
	BVTD-171717GT	BVTR-171717	17	20
	BVTD-232323GT	BVTR-232323	23	20
	BVTD-292929GT	BVTR-292929	29	10
	BVTD-363636GT	BVTR-363636	36	5
	BVTD-484848GT	BVTR-484848	48	5

Approvals




Sizes can be adapted with AV conduit adapters to fit smaller conduit dimensions

- ① Please replace "B" for black with "S" for grey in front of the order no.
- ② IP68GT available. Please add "GT" after the order no.

Conduit adapters, flange 90°

Type AV & VO

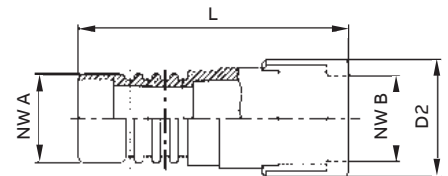
Type AV - Conduit adapter

	Order no. IP66, black	PU (pcs)	Order no. IP68, black	Fits to conduit size		Overall length (mm)	PU (pcs)
				NW (A)	NW (B)		
	–	–	BAVR-10/07	10	07	43.0	50
	BAVD-12/10GT	50	BAVR-12/10	12	10	46.0	50
	BAVD-17/10GT	50	BAVR-17/10	17	10	53.0	50
	BAVD-17/12GT	50	BAVR-17/12	17	12	54.0	50
	BAVD-23/10GT	30	BAVR-23/10	23	10	54.0	30
	BAVD-23/12GT	30	BAVR-23/12	23	12	53.0	30
	BAVD-23/17GT	30	BAVR-23/17	23	17	62.0	30
	BAVD-29/10GT	30	BAVR-29/10	29	10	56.5	20
	BAVD-29/12GT	30	BAVR-29/12	29	12	55.0	20
	BAVD-29/17GT	30	BAVR-29/17	29	17	61.0	20
	BAVD-29/23GT	30	BAVR-29/23	29	23	64.0	20
	BAVD-36/29GT	20	BAVR-36/29	36	29	81.0	20
	BAVD-48/36GT	10	BAVR-48/36	48	36	88.5	10


Approvals



Allows conduit size reduction of PMA fittings, particularly of T and Y pieces



Type VO - Flange 90°

	Order no. IP66 ①	Order no. IP68 ① ②	Fits to conduit size NW	Width x Length x Depth (mm)	Screw sizes	PU (pcs)
	BVOD-P167GT	BVOV-P167	17	46.0 x 65.5 x 35.8	2 x M5	50
	BVOD-P213GT	BVOV-P213	23	65.5 x 70.5 x 43.2	2 x M6	30
	BVOD-P299GT	BVOV-P299	29	67.0 x 78.0 x 49.5	4 x M6	20
	BVOD-P366GT	BVOV-P366	36	85.0 x 102.0 x 65.5	4 x M6	10
	BVOD-P488GT	BVOV-P488	48	86.0 x 119.0 x 77.5	4 x M6	10


For cable protection systems in a wide range of applications
 Flange seal FGO4 made from EPDM, flange seal FGO4/01 made from NBR
 Temperature range with FG04: -40°C to +105°C
 Temperature range with FG04/01: -25°C to +70°C

- ① Please replace “B” for black with “S” for grey in front of the order no.
- ② IP68GT available. Please add “GT” after the order no.

Connection, splice fittings, metric and PG

Type VNR-RE & VSG

Type VNR-RE - Connection fitting to solid metal tube, metric/PG

	Order no. IP66	Order no. IP68	Fits to	Steel tube	Inside Ø	Overall	PU
	without	with clamp ① ②	conduit size	metric	(mm)	length	
VNR-RE	clamp ① ②	with clamp ① ②	NW			(mm)	(pcs)
	BVNR-REM162	BVNR-REM162-24	12	M16	16.0	54.0	50
	BVNR-REM187	BVNR-REM187-28	17	M18	18.5	65.0	50
	BVNR-REM207	BVNR-REM207-28	17	M20	20.0	65.0	50
	BVNR-REM253	BVNR-REM253-32	23	M25	26.0	71.0	30
	BVNR-REM329	BVNR-REM329-44	29	M32	32.0	71.0	20
	BVNR-REM406	BVNR-REM406-50	36	M40	40.0	90.0	20
	BVNR-REM508	BVNR-REM508-65	48	M50	50.0	90.0	10
		Order no. IP66	Order no. IP68	Fits to	Steel tube	Inside Ø	Overall
	without	with clamp ① ②	conduit size	PG	(mm)	length	
	clamp ① ②	with clamp ① ②	NW			(mm)	(pcs)
	BVNR-RE12	BVNR-RE12-24	12	PG11	18.5	56.0	50
	BVNR-RE1317	BVNR-RE1317-28	17	PG13	20.4	65.0	50
	BVNR-RE17	BVNR-RE17-28	17	PG16	22.5	65.0	50
	BVNR-RE23	BVNR-RE23-32	23	PG21	28.5	71.0	30
	BVNR-RE29	BVNR-RE29-44	29	PG29	37.0	71.0	20
	BVNR-RE36	BVNR-RE36-50	36	PG36	47.0	84.0	20
	BVNR-RE48	BVNR-RE48-65	48	PG48	59.3	90.0	10


Quick connection of solid metal tubes with flexible PMA conduits

Jubilee clip made of galvanised bright steel

Available with or without jubilee clip

IP68 on corrugated conduit side, on tube side up to IP68 with sealant

Type VSG - Connection splice fitting for flexible conduits

	Order no.	Order no.	Conduit size	Outside Ø	Overall	PU
	IP66 ①	IP68 ①	2 x NW	(mm)	length	
VSG					(mm)	(pcs)
	BVSGD-1212GT	BVSGR-1212	12	23.5	66.0	50
	BVSGD-1717GT	BVSGR-1717	17	29.5	87.0	50
	BVSGD-2323GT	BVSGR-2323	23	37.0	103.0	30
	BVSGD-2929GT	BVSGR-2929	29	44.0	100.0	20
	BVSGD-3636GT	BVSGR-3636	36	53.5	130.0	10
	BVSGD-4848GT	BVSGR-4848	48	66.0	133.0	10

Approvals



Designed for optimal connection of PMA conduits

① Please replace "B" for black with "S" for grey in front of the order no.

② IP68GT available. Please add "GT" to order no. or insert before clamp size (e.g. BVNR-REM162GT, BVNR-REM162GT-24)