

PMA EMC System Cable Protection System providing electro-magnetic shielding

PMA

EMC System Introduction

The PMA EMC System provides an additional function within the PMA Cable Protection System, offering high quality shielding against electro-magnetic signals over and above the mechanical cable protection. The EMC product line includes screening braids (tin-plated copper and hybrid braids) and a range of patented termination fittings (metallic components in nickel plated aluminium or nickel plated brass). The EMC system can be combined with any type of PMA conduit to provide the mechanical protection.

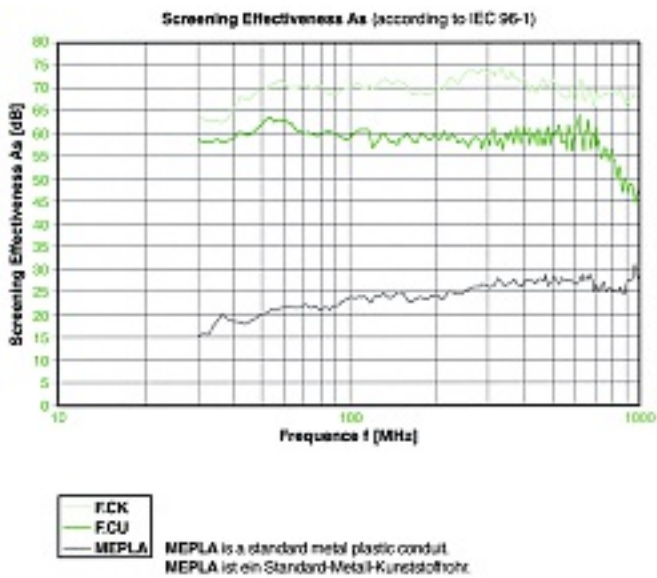


EMC System Introduction

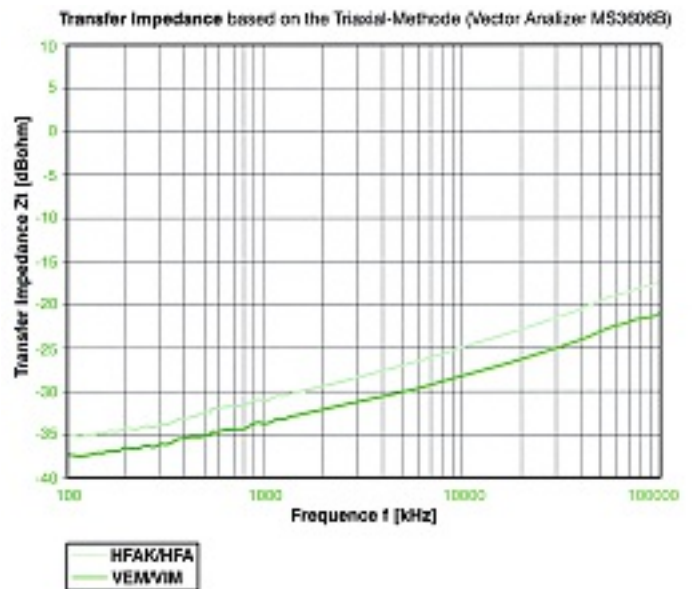
Transfer impedance

The F.CK, F.CU and F.HY screening braids provide excellent shielding for electro-magnetic signals. The patented EMC fittings allow a low impedance 360° termination of the braid preventing stray signals and an earth connection via the termination thread, in addition to the standard water and dust tight conduit termination.

Screening effectiveness of PMA screening braid (typical values).



Transfer impedance between housing PMA-EMCFIX in conjunction with PMA screening braid (typical values).



EMC System

Metal and polyester braids



F.CK

F.CK

Screening braid

- Finest tin-plated copper wires
- Delivered on tube former
- Coverage: > 90%

Order No.	NW	Braid specification	Cross section mm ²	Operative range		Weight net per 100 m*
				min. Ø	max. Ø	
F.CK.03	3	16 x 5 x 0.13	1.06	2.5 mm	3.5 mm	1.3 kg
F.CK.04	4	16 x 7 x 0.13	1.48	3.0 mm	5.0 mm	1.8 kg
F.CK.06	6	24 x 7 x 0.13	2.22	4.5 mm	7.0 mm	2.6 kg
F.CK.10	10	24 x 11 x 0.13	3.50	7.0 mm	12.0 mm	4.1 kg
F.CK.12.5	12.5	24 x 14 x 0.13	4.45	11.0 mm	13.0 mm	5.1 kg
F.CK.15	15	24 x 14 x 0.15	5.93	13.0 mm	18.0 mm	7.0 kg
F.CK.20	20	48 x 10 x 0.15	8.48	16.0 mm	35.0 mm	8.9 kg
F.CK.25	25	48 x 13 x 0.15	11.02	22.0 mm	40.0 mm	12.1 kg
F.CK.30	30	48 x 20 x 0.15	16.96	27.0 mm	44.0 mm	18.8 kg
F.CK.35	35	48 x 20 x 0.15	16.96	35.0 mm	50.0 mm	19.1 kg
F.CK.50	50	36 x 14 x 0.30	35.62	40.0 mm	60.0 mm	40.1 kg

*without tube former

- Typical screening values: 65–75 dB at 100 MHz
- Due to tube former: no fold up of braid, easier processing and installation
- Temperature range: –65 °C to +150 °C



F.CU

F.CU

Screening braid

- Finest tin-plated copper wires
- Coverage: > 65%

Order No.	NW	Braid specification	Cross section mm ²	Operative range		Weight net per 100 m
				min. Ø	max. Ø	
F.CU.01	1	16 x 4 x 0.10	0.5	1.0 mm	3.0 mm	0.5 kg
F.CU.04	4	24 x 7 x 0.10	1.3	3.0 mm	8.0 mm	1.3 kg
F.CU.10	10	24 x 11 x 0.10	2.0	4.0 mm	10.0 mm	2.6 kg
F.CU.12	12	36 x 11 x 0.10	3.1	6.0 mm	15.0 mm	2.9 kg
F.CU.20	20	36 x 8 x 0.15	5.1	12.0 mm	25.0 mm	4.7 kg
F.CU.40	40	48 x 7 x 0.25	16.5	24.0 mm	49.0 mm	22.3 kg
F.CU.50	50	48 x 9 x 0.30	30.5	45.0 mm	55.0 mm	28.2 kg

- Typical screening values: 60–70 dB at 100 MHz
- Temperature range: –65 °C to +150 °C

EMC System

Metal and polyester braids



F.HY

F.HY

Hybrid screening braid, very flexible, lightweight

- Finest tin-plated copper wires mixed with polyester monofilament
- Coverage: > 95%

Order No.	Fits to conduit size NW	Operative range		Weight net (without tube former) per 100 m
		min. Ø	max. Ø	
F.HY.10*	10	8.0 mm	13.0 mm	4.3 kg
F.HY.12*	12	10.0 mm	15.0 mm	4.5 kg
F.HY.15	17	12.0 mm	18.0 mm	6.8 kg
F.HY.20	23	19.0 mm	27.0 mm	7.2 kg
F.HY.35	29	30.0 mm	40.0 mm	12.0 kg
F.HY.40	36, 48	30.0 mm	50.0 mm	17.0 kg

*with tube former

- Typical screening values: 45 to 67 dB
- Very high flexibility, for dynamic applications
- Excellent abrasion and vibration resistance
- Free from halogens
- Colour: metal/red
- Temperature range: -40 °C to +150 °C

EMC System Connectors

PMA EMC connectors are designed for optimal termination of the PMA tinned copper screening braids F.CK, F.CU and the hybrid screening braid F.HY. Partially they can also be used to terminate the shield of screened cables and wires.

The connectors are used to be combined with PMA conduits for flexible protection of screened cables and wires or pre-assembled cable looms against mechanical damage.

General technical details

Material

- Connectors and accessories made of high-grade, specially formulated polyamide 6
- EMV threaded components made of nickel plated aluminium
- Strain relief components made of nickel plated brass
- Free from halogens, REACH + RoHS compliant
- Self-extinguishing
- Temperature range: $-40\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$, short-term to $+160\text{ }^{\circ}\text{C}$

Characteristics

- 360° braid termination: high degree of safety in case of short-circuiting
- Low coupling resistances, low transfer impedances
- Disturbance signals, such as electrical signals and magnetic fields will be discharged to the housing/casing
- Very high impact resistance
- High conduit pull-out strengths
- Vibration proof connection to PMA conduits
- Can be pre-assembled in cable harness systems

IP68

IP68 static

IP67 dynamic

IP69K according to DIN 40050

- High sealing through additional seal cap
- For highest dynamic applications
- Content of delivery: Conduit sealing cap, locking clip and thread sealing element for male threads (O-ring and/or flat gasket)



PMAFIX, IP68

IP68 + IP69K

static + dynamic

- Highest sealing through fully closed system
- For highest dynamic applications
- Content of delivery: Fitting body with locking and sealing element, O-ring for male threads



PMAFIX Pro



PMAFIX, IP68 + WPS

EMC System

EMC connectors



VEMV

VEMV

Connector straight, metric metal thread, long and short

Order No. black, IP68	Thread metric	Fits to NW	Fits to F.CK	Fits to F.CU	Fits to F.HY	Thread length	Overall length
BVEMV-M120-5	M12 x 1.5	10	10	10	–	5.0 mm	65.0 mm
BVEMV-M120-10	M12 x 1.5	10	10	10	–	10.0 mm	70.0 mm
BVEMV-M162-5	M16 x 1.5	12	12.5	12	12	5.0 mm	70.0 mm
BVEMV-M162-10	M16 x 1.5	12	12.5	12	12	10.0 mm	75.0 mm
BVEMV-M207-6	M20 x 1.5	17	15	20	15	6.0 mm	80.0 mm
BVEMV-M207-10	M20 x 1.5	17	15	20	15	10.0 mm	84.0 mm
BVEMV-M253-7	M25 x 1.5	23	20 / (25)	20	20	7.0 mm	86.0 mm
BVEMV-M253-11	M25 x 1.5	23	20 / (25)	20	20	11.0 mm	90.0 mm
BVEMV-M329-8	M32 x 1.5	29	25 / (30)	20 / (40)	35	8.0 mm	90.0 mm
BVEMV-M329-13	M32 x 1.5	29	25 / (30)	20 / (40)	35	13.0 mm	95.0 mm
BVEMV-M409-13	M40 x 1.5	29	25 / (30)	20 / (40)	35	13.0 mm	97.0 mm
BVEMV-M406-8	M40 x 1.5	36	30 / (35)	40	40	8.0 mm	100.0 mm
BVEMV-M406-13	M40 x 1.5	36	30 / (35)	40	40	13.0 mm	105.0 mm
BVEMV-M508-9	M50 x 1.5	48	35	40	40	9.0 mm	105.0 mm
BVEMV-M508-14	M50 x 1.5	48	35	40	40	14.0 mm	110.0 mm
BVEMV-M638-10	M63 x 1.5	48	35	40	40	10.0 mm	106.0 mm
BVEMV-M638-14	M63 x 1.5	48	35	40	40	14.0 mm	110.0 mm

– Very suitable for the use with PMA screening braids



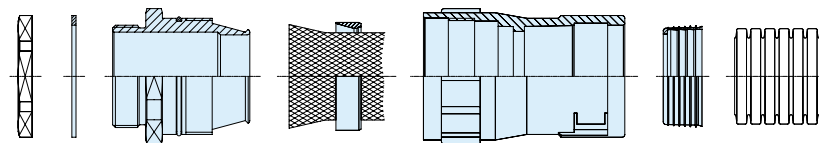
VEMV-SW

VEMV-SW

Connector straight, metric metal thread, positionable

Order No. black, IP68	Thread metric	Fits to NW	Fits to F.CK	Fits to F.CU	Fits to F.HY	Thread length	Overall length
BVEMV-M207SW-10	M20 x 1.5	17	15	20	15	10.0 mm	107.0 mm
BVEMV-M329SW-13	M32 x 1.5	29	25 / (30)	20 / (40)	35	13.0 mm	123.0 mm
BVEMV-M406SW-13	M40 x 1.5	36	30 / (35)	40	40	13.0 mm	137.0 mm
BVEMV-M508SW-14	M50 x 1.5	48	35	40	40	14.0 mm	145.0 mm
BVEMV-M638SW-14	M63 x 1.5	48	35	40	40	14.0 mm	145.0 mm

– Very suitable for the use with PMA screening braids
 – The fitting construction allows completed cable looms to be easily mounted without twisting conduit or cables



Content of delivery includes blue marked products.

VEMV connectors with PG thread on request.

EMC System

EMC connectors with female thread



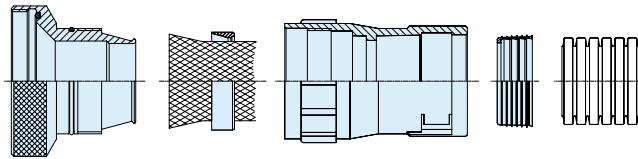
VIMV

VIMV

Connector straight, female UN thread for MIL-C5015

Order No. black, IP68	Thread UN	Fits to NW	Fits to F.CK	Fits to F.CU	Fits to F.HY	Thread length	Overall length
BVIMV-U182	3/4"-20	12	12.5	12	12	10.0 mm	75.0 mm
BVIMV-U212	7/8"-20	12	12.5	12	12	10.0 mm	75.0 mm
BVIMV-U247	1"-20	17	15	20	15	10.0 mm	85.0 mm
BVIMV-U353	1 1/16"-18	23	20 / (25)	20	20	10.0 mm	92.5 mm
BVIMV-U357	1 1/16"-18	17	15	20	15	10.0 mm	87.0 mm
BVIMV-U433	1 3/4"-18	23	20 / (25)	20	20	10.0 mm	95.0 mm
BVIMV-U569	2 1/4"-16	29	25 / (30)	20 / (40)	35	10.0 mm	95.0 mm
BVIMV-U566	2 1/4"-16	36	30 / (35)	40	40	10.0 mm	110.0 mm
BVIMV-U568	2 1/4"-16	48	35	40	40	10.0 mm	110.0 mm

- Suitable for MIL connector series C5015
- Very suitable for the use with PMA screening braids
- Female thread with O-ring



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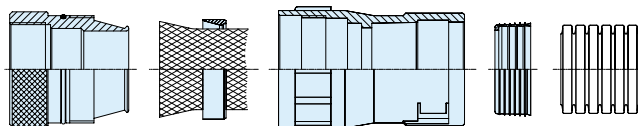
VIMV

VIMV

Connector straight, female UNEF thread for MIL-C26482G

Order No. black, IP68	Thread UNEF	Fits to NW	Fits to F.CK	Fits to F.CU	Fits to F.HY	Thread length	Overall length
BVIMV-U212-14	7/8"-20	12	12.5	12	12	14.0 mm	75.0 mm
BVIMV-U247-14	1"-20	17	15	20	15	14.0 mm	90.0 mm
BVIMV-U267-14	1 1/16"-18	17	15	20	15	14.0 mm	90.0 mm
BVIMV-U293-14	1 3/16"-18	23	20	20	20	14.0 mm	90.0 mm
BVIMV-U303-14	1 1/4"-18	23	20	20	20	14.0 mm	90.0 mm
BVIMV-U323-14	1 9/16"-18	23	20	20	20	14.0 mm	90.0 mm
BVIMV-U359-14	1 7/16"-18	29	20	20	35	14.0 mm	95.0 mm

- Suitable for MIL connector series C26482G
- Very suitable for the use with PMA screening braids
- No seal on female thread side



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EMC System EMC adapters



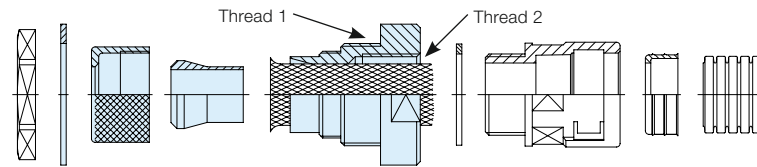
HFAK

HFAK

Adapter with conical braid clamp, metric thread

Order No. metric	Thread metric 1	Thread metric 2	Fits to NW	Fits to F.CK	Fits to F.CU	ID min.	Thread length	Overall length
HFAK-M32/25-13	M32 x 1.5	M25 x 1.5	23	20	20	16.8 mm	13.0 mm	42.0 mm
HFAK-M40/32-13	M40 x 1.5	M32 x 1.5	29	20 / (25)	20	22.4 mm	13.0 mm	51.0 mm
HFAK-M50/40-14	M50 x 1.5	M40 x 1.5	36	30, 50 (35)	40	32.4 mm	14.0 mm	58.0 mm
HFAK-M63/63-14	M63 x 1.5	M63 x 1.5	48	35, 50	40	43.4 mm	14.0 mm	57.5 mm

- Nickel-plated aluminium
- Very suitable for the use with PMA screening braids
- Suitable with all PMA connectors
- With flat gasket
- Thread 1: on casing side
- Thread 2: on PMA connector side



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EMC System

EMC connectors with strain relief



KEZ

Approvals



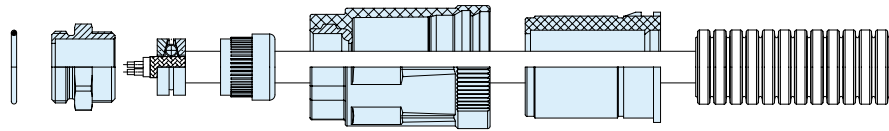
KEZ

Connector straight with strain relief, metric metal thread

Order No. black IP68 + IP69K	Thread metric	Fits to NW	Clamping range	Screen Ø	Ø max.	Thread length	Overall length
NKEZ-M160/P2	M16 x 1.5	10	5.0–8.0 mm	2.5–6.0 mm	25.0 mm	6.0 mm	54.5 mm
NKEZ-M160/P3	M16 x 1.5	10	6.5–9.5 mm	2.5–6.0 mm	25.0 mm	6.0 mm	54.5 mm
NKEZ-M202/P1	M20 x 1.5	12	4.0–6.5 mm	2.5–6.5 mm	29.0 mm	6.5 mm	61.0 mm
NKEZ-M202/P3	M20 x 1.5	12	6.5–9.5 mm	3.5–6.5 mm	29.0 mm	6.5 mm	61.0 mm
NKEZ-M207/P3	M20 x 1.5	17	6.5–9.5 mm	3.5–6.5 mm	35.5 mm	6.5 mm	66.0 mm
NKEZ-M207/P5	M20 x 1.5	17	9.0–13.0 mm	6.5–10.5 mm	35.5 mm	6.5 mm	66.0 mm
NKEZ-M257/P3	M25 x 1.5	17	6.5–9.5 mm	3.0–8.0 mm	35.5 mm	7.5 mm	67.5 mm
NKEZ-M257/P5	M25 x 1.5	17	9.0–13.0 mm	6.5–10.5 mm	35.5 mm	7.5 mm	67.5 mm
NKEZ-M406/P4	M40 x 1.5	36	20.0–25.0 mm	18.5–25.5 mm	60.5 mm	8.0 mm	99.0 mm

- Pflitsch system UNI HF DICHT with UNI IRIS®-Spring
- Sealing insert made of TPE-V

- Very suitable for the use with shielded cables



Content of delivery includes blue marked products.



KEZ

Approvals

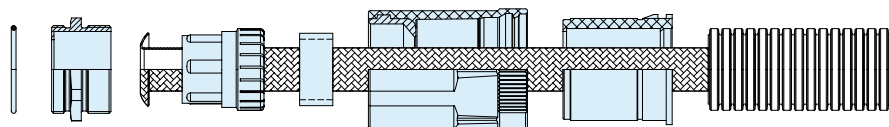


KEZ

Connector straight with strain relief, metric metal thread

Order No. black IP68 + IP69K	Thread metric	Fits to NW	Fits to F.CK	Fits to F.CU	Clamping range	Thread length	Overall length
NKEZ-M160-10	M16 x 1.5	10	06	06/10	5.0–9.0 mm	10.0 mm	63.0 mm
NKEZ-M162-10	M16 x 1.5	12	10/12.5/15	10/12	5.0–9.0 mm	10.0 mm	68.5 mm
NKEZ-M202-10	M20 x 1.5	12	10/12.5/15	10/12	9.0–13.0 mm	10.0 mm	70.5 mm
NKEZ-M207-10	M20 x 1.5	17	12.5/15	12/20	9.0–13.0 mm	10.0 mm	76.0 mm
NKEZ-M253-11	M25 x 1.5	23	15/20/25	20	11.0–16.0 mm	11.0 mm	80.0 mm
NKEZ-M257-11	M25 x 1.5	17	12.5/15	12/20	11.0–16.0 mm	11.0 mm	78.5 mm
NKEZ-M323-13	M32 x 1.5	23	15/20/25	20	14.0–21.0 mm	13.0 mm	85.5 mm
NKEZ-M329-13	M32 x 1.5	29	20/25/30	20	14.0–21.0 mm	13.0 mm	90.0 mm
NKEZ-M406-13	M40 x 1.5	36	25/30/35	40	19.0–27.0 mm	13.0 mm	98.5 mm
NKEZ-M409-13	M40 x 1.5	29	20/25/30	20	19.0–27.0 mm	13.0 mm	93.0 mm
NKEZ-M506-14	M50 x 1.5	36	25/30/35	40	24.0–35.0 mm	14.0 mm	106.5 mm
NKEZ-M508-14	M50 x 1.5	48	30/35	40	24.0–35.0 mm	14.0 mm	112.5 mm
NKEZ-M638-14	M63 x 1.5	48	35	40	32.0–42.0 mm	14.0 mm	113.5 mm

- PERFECT sealing ring made from NBR
- Suitable for the use with PMA screening braids or with shielded cables



Content of delivery includes blue marked products.

EMC System

EMC connectors with strain relief



VEZ

Approvals



VEZ

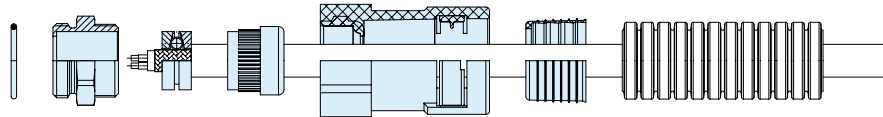
Connector straight with strain relief, metric metal thread

Order No. black IP68	Thread metric	Fits to NW	Clamping range	Screen \varnothing	\varnothing max.	Thread length	Overall length
NVEZ-M160V/P2	M16 x 1.5	10	5.0–8.0 mm	2.5–6.0 mm	23.0 mm	6.0 mm	49.5 mm
NVEZ-M160V/P3	M16 x 1.5	10	6.5–9.5 mm	2.5–6.0 mm	23.0 mm	6.0 mm	49.5 mm
NVEZ-M160V/P3/1	M16 x 1.5	10	6.5–9.5 mm	3.5–8.5 mm	26.5 mm	6.0 mm	60.0 mm
NVEZ-M202V/P1	M20 x 1.5	12	4.0–6.5 mm	2.5–6.5 mm	26.5 mm	6.5 mm	54.0 mm
NVEZ-M202V/P3	M20 x 1.5	12	6.5–9.5 mm	3.5–6.5 mm	28.5 mm	6.5 mm	54.0 mm
NVEZ-M202V/P5	M20 x 1.5	12	9.0–13.0 mm	6.5–10.5 mm	26.0 mm	6.5 mm	54.0 mm
NVEZ-M207V/P3	M20 x 1.5	17	6.5–9.5 mm	3.5–6.5 mm	31.0 mm	6.5 mm	60.0 mm
NVEZ-M207V/P5	M20 x 1.5	17	9.0–13.0 mm	6.5–10.5 mm	31.0 mm	6.5 mm	60.0 mm
NVEZ-M257V/P3	M25 x 1.5	17	6.5–9.5 mm	3.0–8.0 mm	31.0 mm	7.5 mm	61.5 mm
NVEZ-M257V/P5	M25 x 1.5	17	9.0–13.0 mm	6.5–10.5 mm	31.0 mm	7.5 mm	61.5 mm
NVEZ-M406V/P4	M40 x 1.5	36	20.0–25.0 mm	18.5–25.5 mm	60.5 mm	8.0 mm	98.5 mm

– Pflitsch system UNI HF DICHT with UNI IRIS®-Spring

– Sealing insert made of TPE-V

– Very suitable for the use with shielded cables



Content of delivery includes blue marked products.



VEZ

Approvals



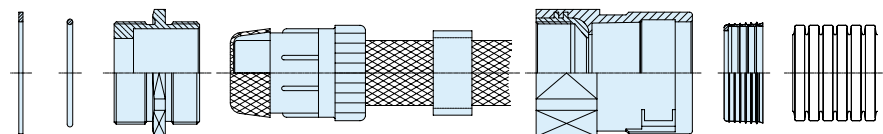
VEZ

Connector straight with strain relief, metric metal thread

Order No. black IP68	Thread metric	Fits to NW	Fits to F.CK	Fits to F.CU	Clamping range	Thread length	Overall length
NVEZ-M120V-10	M12 x 1.5	10	06	06/10	3.0–6.0 mm	10.0 mm	53.5 mm
NVEZ-M160V-10	M16 x 1.5	10	06	06/10	5.0–9.0 mm	10.0 mm	60.0 mm
NVEZ-M162V-10	M16 x 1.5	12	10/12.5/15	10/12	5.0–9.0 mm	10.0 mm	61.5 mm
NVEZ-M202V-10	M20 x 1.5	12	10/12.5/15	10/12	9.0–13.0 mm	10.0 mm	64.0 mm
NVEZ-M207V-10	M20 x 1.5	17	12.5/15	12/20	9.0–13.0 mm	10.0 mm	70.0 mm
NVEZ-M253V-11	M25 x 1.5	23	15/20/25	20	11.0–16.0 mm	11.0 mm	78.5 mm
NVEZ-M257V-11	M25 x 1.5	17	12.5/15	12/20	11.0–16.0 mm	11.0 mm	72.5 mm
NVEZ-M323V-13	M32 x 1.5	23	15/20/25	20	14.0–21.0 mm	13.0 mm	83.0 mm
NVEZ-M329V-13	M32 x 1.5	29	20/25/30	20	14.0–21.0 mm	13.0 mm	80.0 mm
NVEZ-M406V-13	M40 x 1.5	36	25/30/35	40	19.0–27.0 mm	13.0 mm	97.0 mm
NVEZ-M409V-13	M40 x 1.5	29	20/25/30	20	19.0–27.0 mm	13.0 mm	83.0 mm
NVEZ-M506V-14	M50 x 1.5	36	25/30/35	40	24.0–35.0 mm	14.0 mm	106.0 mm
NVEZ-M508V-14	M50 x 1.5	48	30/35	40	24.0–35.0 mm	14.0 mm	105.0 mm
NVEZ-M638V-14	M63 x 1.5	48	35	40	32.0–42.0 mm	14.0 mm	106.0 mm

– PERFECT sealing ring made from NBR

– Suitable for the use with PMA screening braids or with shielded cables



NVEZ connectors with PG thread on request.

Content of delivery includes blue marked products.

EMC System Accessories



MM

MM

Hexagonal lock nut for EMC applications, metric thread

- For earthing in EMC applications

Order No. metal/metric	Fits to thread metric	Wrench size	Height
GMM-M12/EMV	M12 x 1.5	15 mm	4.7 mm
GMM-M16/EMV	M16 x 1.5	19 mm	4.7 mm
GMM-M20/EMV	M20 x 1.5	24 mm	4.7 mm
GMM-M25/EMV	M25 x 1.5	30 mm	5.2 mm
GMM-M32/EMV	M32 x 1.5	36 mm	5.7 mm
GMM-M40/EMV	M40 x 1.5	46 mm	6.5 mm
GMM-M50/EMV	M50 x 1.5	60 mm	6.5 mm
GMM-M63/EMV	M63 x 1.5	70 mm	7.0 mm

- Nickel-plated brass
- With cutting edges to penetrate varnish, powder coatings and anodised surfaces ensuring optimum electrical contact in EMC applications
- Maximum possible torque
- Safe system connection



GPS

GPS

System support, one-piece, stackable

Order No.	Fits to conduit size		Width x Height x Depth
	NW	metric	
BGPS-12/01	12	16	70.0 x 51.0 x 30.0 mm
BGPS-17	17	20	70.0 x 51.0 x 30.0 mm
BGPS-23	23	25	70.0 x 51.0 x 30.0 mm
BGPS-29	29	32	85.0 x 65.0 x 30.0 mm
BGPS-36	36	40	85.0 x 65.0 x 30.0 mm
BGPS-48	48	50	115.0 x 92.5 x 30.0 mm
BGPS-56	56	–	115.0 x 92.5 x 30.0 mm

- Heavy design, high retention forces
- Applicable with standard metal C rails
- Clasp for easy pre-mounting and final assembly
- Especially suitable for dyn. applic. due to rounded edges
- The following nominal widths can be combined for stacking: NW 12 with NW 17 + 23, NW 17 with NW 23, NW 29 with NW 36, NW 48 with NW 56

EMC System Accessories



GL

GL

Tube clamp, one-piece

Order No. black	Order No. grey	Fits to conduit size metric		Width	Fixing screws
BGL-07	SGL-07	07	10	25.0 mm	1 x M4
BGL-10	SGL-10	10	12	27.0 mm	1 x M4
BGL-12	SGL-12	12	16	31.0 mm	1 x M4
BGL-17	SGL-17	17	20	39.5 mm	1 x M5
BGL-23	SGL-23	23	25	49.0 mm	1 x M5
BGL-29	SGL-29	29	32	57.0 mm	1 x M6

- Integrated rib provides axial strain relief
- Allows turning of the conduit, thus avoiding torsion stresses
- Pre-fixation on the conduit possible



GH

GH

Tube clamp, one-piece

Order No. black	Order No. grey	Fits to conduit size metric		Width	Fixing screws
BGH-23	SGH-23	23	25	16.0 mm	2 x M5
BGH-29	SGH-29	29	32	19.0 mm	2 x M6
BGH-36	SGH-36	36	40	24.0 mm	2 x M6
BGH-48	SGH-48	48	50	24.0 mm	2 x M6

- Integrated rib provides axial strain relief
- Allows turning of the conduit, thus avoiding torsion stresses
- Pre-fixation on the conduit possible
- Allows solid fixation with 2 screws



SGB

SGB

Tube clamp

- For fixation of static conduits

Order No.	Fits to conduit size metric		Width	Fixing screws
SGB-07	07	10	13.0 mm	1 x M4
SGB-09	10	12	13.0 mm	1 x M4
SGB-11	12	16	13.0 mm	1 x M4
SGB-16	17	20	15.0 mm	1 x M5
SGB-21	23	25	15.0 mm	1 x M5
SGB-29	29	32	19.0 mm	1 x M6
SGB-36	36	40	19.0 mm	1 x M6
SGB-48	48	50	19.0 mm	1 x M6

- Galvanized steel
- Elastomer profile free from halogens (EPDM)
- Smooth connection to PMA conduits
- Good resistance to ozone and ageing
- Temperature range: –40 °C to +120 °C

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