

Flyer

# Industrial cable protection



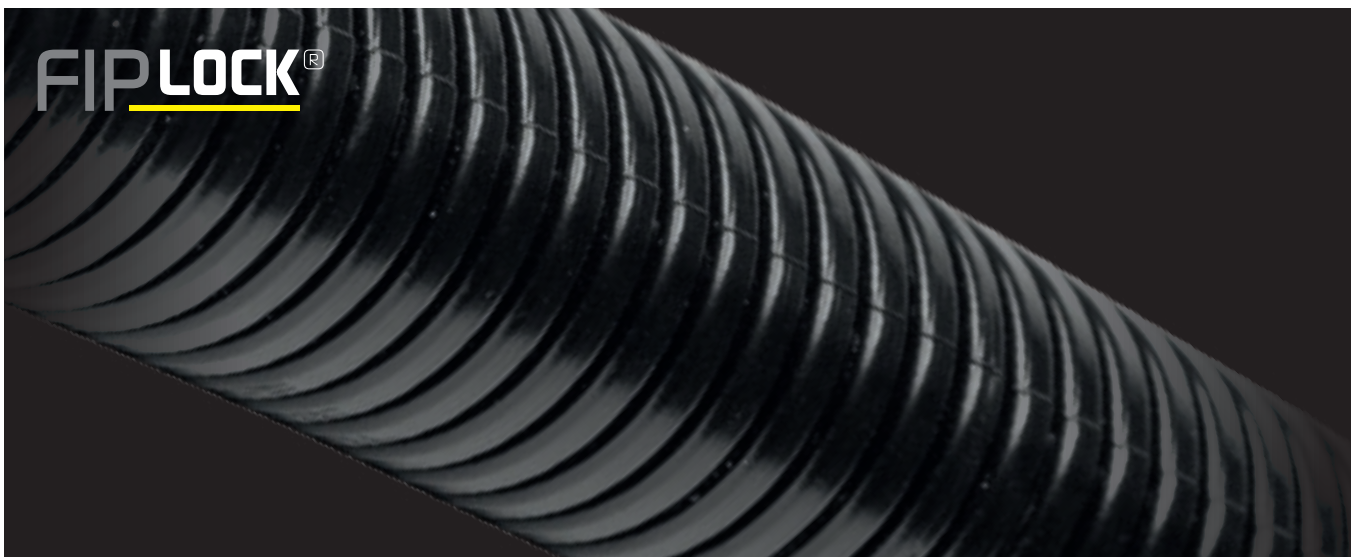
## FIPLOCK® ONE



### FIPLOCK® ONE corrugated conduit connections

FIPLOCK ONE **pre-assembled fittings** allow a **reliable connection** of FIPSYSTEMS corrugated conduits with a fine and coarse profile from NW07 to NW48 with **maximum IP rating properties** (IP protection classes 66, 67, 68 and 69). They are installed by slightly rotating the corrugated conduit into the corrugated conduit connection and can be removed again by releasing the lock with a screwdriver.

## FIPLOCK®



### FIPLOCK® standard corrugated conduits

FIPLOCK **corrugated conduits** guarantee **high-quality mechanical cable protection and flexible routing of cables and wires**. These products can be used in a broad range of applications such as industrial installations, devices and machines of railway engineering and railway track auxiliary structures. They are available in various material qualities **depending on the requirements**.



**FIPMETAL<sup>®</sup>**

## **FIPMETAL<sup>®</sup> protective metal hoses**

The FIPMETAL product line includes **highly flexible protective metal hoses** that **protect against traction, torsion, compression** as well as **mechanical loads and deformation**.



**FIPJACK<sup>®</sup>**

## **FIPJACK<sup>®</sup> textile protective hoses**

FIPJACK comprises a broad range of **textile protective hoses** for **protecting against chemicals, liquids, radiant heat, abrasion** or **penetration** of sharp objects, to name but a few, and some are even suited for **retrofit installations**.

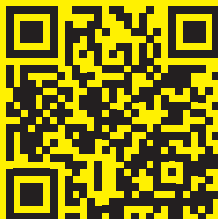
Name		Material	Temperature	Halogen-free	Fire protection class	UV
FPAN	Standard corrugated conduit	PA6 MOD	-45 to 120 °C	yes	V2	up to 10 years
FPAS	Standard corrugated conduit	PA6 MOD BS	-45 to 120 °C	yes	V2	up to 10 years
FPAC	Standard corrugated conduit	PA6 MOD BS C	-50 to 105 °C	yes	V2	up to 10 years
HPAC	Standard corrugated conduit	PA6 MOD BS C	-50 to 105 °C	yes	V2	up to 10 years
FPAF	Standard corrugated conduit	PA6 MOD V0	-45 to 120 °C	yes	V0	up to 10 years
HPAF	Standard corrugated conduit	PA6 MOD V0	-45 to 120 °C	yes	V0	up to 15 years
FPDS	Standard corrugated conduit	PA12 MOD BS	-50 to 110 °C	yes	V2	up to 30 years
HPDS	Standard corrugated conduit	PA12 MOD BS	-50 to 110 °C	yes	V2	up to 40 years
FPDA	Standard corrugated conduit	PA12 MOD ESD	-45 to 90 °C	yes	HB	up to 30 years
FPPS-U	Standard corrugated conduit	PP MOD BS UV	-40 to 105 °C	yes	V2	up to 20 years
FFPS-O	Standard corrugated conduit	PP MOD BS orange	-40 to 105 °C	yes	V2	up to 8 years
FFPO	Standard corrugated conduit	PP MOD	-40 to 105 °C	yes	V2	up to 8 years
FPVS	High-temperature corrugated conduit	PVDF	-60 to 150 °C	no	V0	up to 30 years
FTPS	High-temperature corrugated conduit	TPE	-40 to 150 °C	no	HB	up to 10 years
FETS	High-temperature corrugated conduit	ETFE	-80 to 200 °C	no	V0	> 50 years
FPFS	High-temperature corrugated conduit	PFA	-200 to 260 °C	no	V0	up to 30 years
FMFS	High-temperature corrugated conduit	MFA	-200 to 240 °C	no	V0	up to 30 years
FPDR	Highly dynamic corrugated conduit	PA12 MOD R	-50 to 90 °C	yes	V2	up to 30 years
IPAT	Special corrugated conduit	PA6 MOD BS	-45 to 120 °C	yes	V2	up to 10 years
FEVS	Special corrugated conduit	EVA	-40 to 55 °C	yes	HB	up to 2 years
FPES	Special corrugated conduit	PE LD BS	-40 to 70 °C	yes	V2	up to 5 years
FPASS	Special corrugated conduit	PA6 MOD BS	-45 to 120 °C	yes	V2	up to 10 years
FPVS	High-temperature corrugated conduit	PVDF	-60 to 150 °C	no	V0	up to 30 years
FTPS	High-temperature corrugated conduit	TPE	-40 to 150 °C	no	HB	up to 10 years
FETS	High-temperature corrugated conduit	ETFE	-80 to 200 °C	no	V0	> 50 years
FPFS	High-temperature corrugated conduit	PFA	-200 to 260 °C	no	V0	up to 30 years
FMFS	High-temperature corrugated conduit	MFA	-200 to 240 °C	no	V0	up to 30 years
FPDR	Highly dynamic corrugated conduit	PA12 MOD R	-50 to 90 °C	yes	V2	up to 30 years
IPAT	Special corrugated conduit	PA6 MOD BS	-45 to 120 °C	yes	V2	up to 10 years
FEVS	Special corrugated conduit	EVA	-40 to 55 °C	yes	HB	up to 2 years
FPES	Special corrugated conduit	PE LD BS	-40 to 70 °C	yes	V2	up to 5 years
FPASS	Special corrugated conduit	PA6 MOD BS	-45 to 120 °C	yes	V2	up to 10 years

Name		Material	Temperature	Halogen-free	Compr. strength	Impact strength
GAAR	Protective metal hose	galvanised steel	-45 to 250 °C	yes	heavy	heavy
DMA-PVC	Protective metal hose PVC sheathing	galvanised steel	-15 to 70 °C	no	heavy	heavy
DMC-PVC	Protective metal hose PVC sheathing	galvanised steel	-15 to 70 °C	no	heavy	heavy

Name		Material	Temperature	Halogen-free	Compr. strength	Impact strength
FFKSS-SW	Spiral conduit with spring steel	PVC	-25 to 60 °C	no	medium	medium
TCXG	Spiral conduit with hard plastic coil	PVC	-25 to 60 °C	no	light	medium

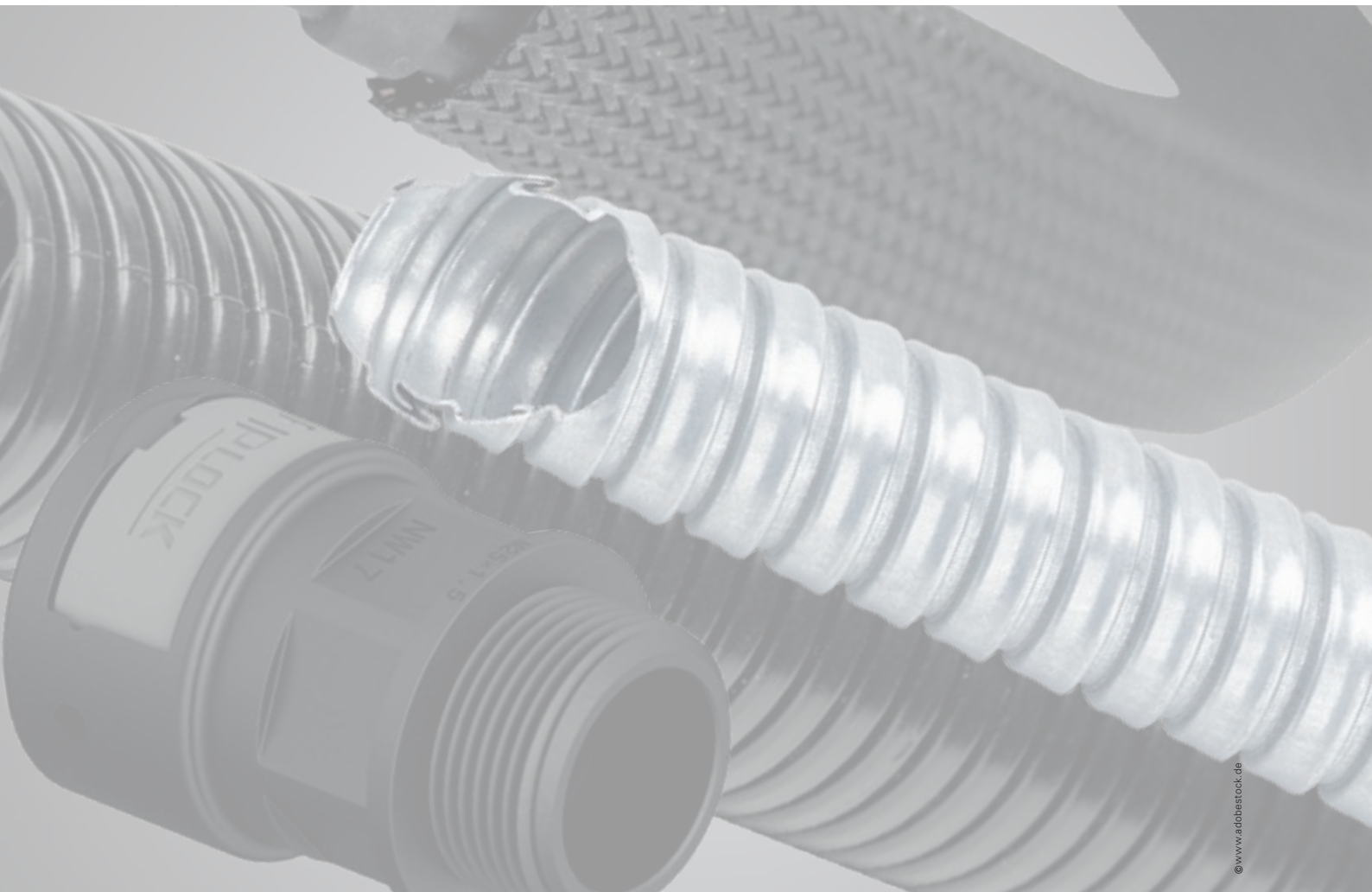
Name		Material	Temperature	Halogen-free	IP	UV
ASPA-M	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-MMK/ ASPA-MML	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-MML-S/ ASPA-MMK-S	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-NPT	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-PG	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-PGM	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ASPA-PGM-S	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-M/ AEPA-M	90° threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-MMK/ AEPA-MMK	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-MMK-S/ AEPA-MMK-S	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-MML/ AEPA-MML	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-MML-S/ AEPA-MML-S	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-NPT/ AEPA-NPT	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-PG/ AEPA-PG	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-PGM/ AEPA-PGM	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AWPA-PGM-S/ AEPA-PGM-S	Straight threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-M	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-MMK/ AAPA-MML	Straight threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-MMK-S/ AAPA-MML-S	90° threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-NPT	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-PG	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-PGM	90° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years

Name		Material	Temperature	Halogen-free	IP	UV
AAPA-MMK-S/ AAPA-MML-S	45° threaded connector, emetal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-NPT	45° threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-PG	45° threaded connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-PGM	45° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AAPA-PGM-S	45° threaded connector, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-M	Female thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-MM	Female thread, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-PG	Female thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-PGM	Female thread, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-U-A	Female thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-U-B	Female thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AFPA-U-M	Female thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-C	Strain relief	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-M	Strain relief	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-MMK/ AZPA-MML	Strain relief, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-NPT	Strain relief	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-NPTM	Strain relief, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-PG	Strain relief	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AZPA-PGM	Strain relief, metal thread	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ACPA	Connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ACPA-SH	Connector	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
ATPA	T-distributor	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years
AYPA	Y-distributor	PA6 MOD V0 SGA	-50 to 120 °C	yes	IP 69	up to 40 years



**Main catalogue  
Industrial cable protection**





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