

## VARIETY TO SUIT ALL YOUR APPLICATION NEEDS

When it comes to variety on Flexible Corrugated Conduits, Controlwell raises the bar with a wide choice of materials and sizes to meet varied applications.

These conduits have an extremely small bending radius and offer high impact resistance. When combined with Controlwell Conduit Glands they offer IP67 protection to cables housed there in.

They come with added benefits of being UV Resistant, Halogen Free, Acid Proof and Flame Retardant in nature.

With approvals like UL, VDE, CSA and CE Mark these conduits are the final word when it comes to cable protection.

Controlwell conduits are available in:

- Polyamide
- Polyethylene
- Polypropylene
- Galvanized Steel
- Stainless Steel
- PVC coated Galvanized Steel
- Anaconda Liquidtite  
& Sealtite Conduits

# FLEXIBLE METALLIC & NON METALLIC CONDUITS

GOING THE WHOLE LENGTH  
TO SAFEGUARD YOUR CABLES



## HIGH GRADE POLYAMIDE FLEXIBLE CONDUITS UNSLITTED

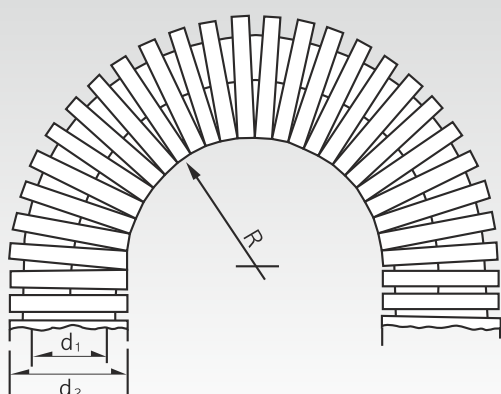


These Conduits are made of high quality flame-retardant Polyamide 12. They are flexible, halogen-free and have a small bending radius. They are suitable for various applications such as high speed machines & industrial Robots etc. These Conduits offer IP 68 protection in combination with Conduit Glands. UV resistant Conduits are also available on request. These Conduits are available in grey, black and yellow colour and comply with EN 60529 and IEC EN 61386 standards.

### Technical Details :

Material	Polyamide 12
Flexural Strength	503 kg / cm <sup>2</sup>
Flexural Modulus	15,295 kg / cm <sup>2</sup>
Tensile Strength	407 kg / cm <sup>2</sup>
Impact Strength	15 Kg.cm / cm
Temperature Range	-40° C to +105° C Continuous, +130° C Short Term
Resistant	Alcohol, Benzol, Mineral Oil, Diesel Fuel, etc.
Protection Class	IP 68
Approvals	<b>RoHS CE</b>

Cat. No. Grey	Cat. No. Black	Inner Diameter d1 (mm)	Outer Diameter d2 (mm)	Bending Radius R (mm) ±10%	Standard Pack (metre)
PAR-07G	PAR-07B	6.4	10.0	15	50
PAR-10G	PAR-10B	9.6	13.0	20	50
PAR-12G	PAR-12B	11.8	15.8	30	50
PAR-16G	PAR-16B	15.9	21.2	40	50
PAR-22G	PAR-22B	21.7	28.5	45	50
PAR-28G	PAR-28B	27.8	34.5	55	50
PAR-36G	PAR-36B	36.0	42.5	60	30
PAR-48G	PAR-48B	46.5	54.5	70	30
PAR-56G	PAR-56B	56.3	67.2	110	30
PAR-70G	PAR-70B	70.0	82.5	160	10
PAR-95G	PAR-95B	91.5	106.0	210	10




### APPLICATION IMAGE

## HIGH GRADE POLYAMIDE FLEXIBLE CONDUITS SLITTED / UNSLITTED

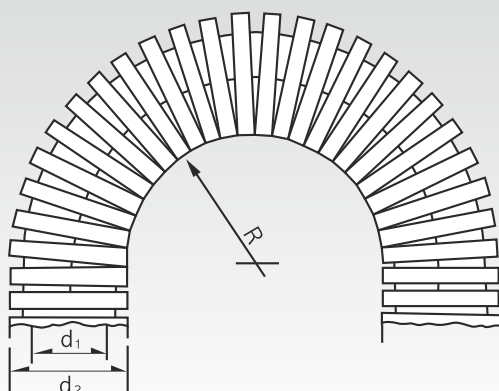


These Conduits are made of high quality flame-retardant Polyamide 6. They are flexible, halogen-free and have a small bending radius. They are suitable for various applications such as railroad cars, machinery, rolling stock, railway and subway etc. Unslitted conduits offer IP 68 protection in combination with Conduit Glands. UV resistant and slitted conduits are also available on request. These Conduits are available in grey and black colour and comply with EN 60529 and IEC EN 61386 standards.

### Technical Details :

Material	Polyamide 6
Flexural Strength	1325 kg / cm <sup>2</sup>
Flexural Modulus	37,219 kg / cm <sup>2</sup>
Tensile Strength	917 kg / cm <sup>2</sup>
Impact Strength	6.1 kg.cm / cm
Temperature Range	-40 <sup>0</sup> C to +105 <sup>0</sup> C Continuous, +150 <sup>0</sup> C Short Term
Resistant	Alcohol, Benzol, Greases, Mineral Oil, Diesel Fuel, Sea Water, Petrol, etc.
Protection Class	IP 68
Approvals	 RoHS CE

Cat. No. Grey	Cat. No. Grey Slitted	Cat. No. Black	Cat. No. Black Slitted	Inner Diameter d1 (mm)	Outer Diameter d2 (mm)	Bending Radius R (mm) ±10%	Standard Pack (metre)
RAH-07G	RAHS-07G	RAH-07B	RAHS-07B	6.4	10.0	15	50
RAH-10G	RAHS-10G	RAH-10B	RAHS-10B	9.6	13.0	20	50
RAH-12G	RAHS-12G	RAH-12B	RAHS-12B	11.8	15.8	30	50
RAH-16G	RAHS-16G	RAH-16B	RAHS-16B	15.9	21.2	40	50
RAH-22G	RAHS-22G	RAH-22B	RAHS-22B	21.7	28.5	45	50
RAH-28G	RAHS-28G	RAH-28B	RAHS-28B	27.8	34.5	55	50
RAH-36G	RAHS-36G	RAH-36B	RAHS-36B	36.0	42.5	60	30
RAH-48G	RAHS-48G	RAH-48B	RAHS-48B	46.5	54.5	70	30
RAH-56G	RAHS-56G	RAH-56B	RAHS-56B	56.3	67.2	110	30
RAH-70G	RAHS-70G	RAH-70B	RAHS-70B	70.0	82.5	160	10
RAH-95G	RAHS-95G	RAH-95B	RAHS-95B	91.5	106.0	210	10



### APPLICATION IMAGE



## STANDARD POLYAMIDE FLEXIBLE CONDUITS SLITTED / UNSLITTED

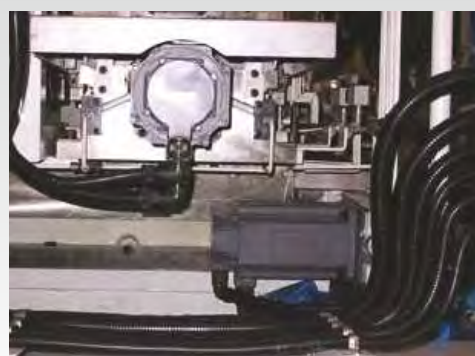
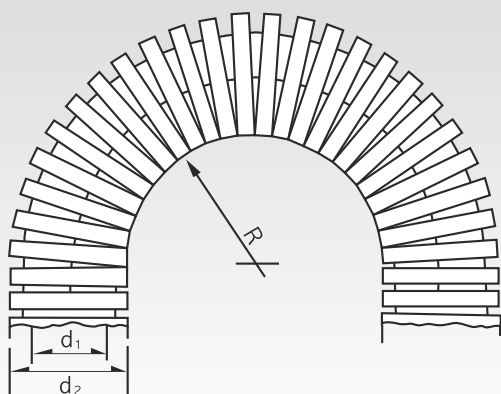


These Conduits are made of self extinguishing Polyamide 6. They are flexible, halogen-free and have a small bending radius. They are suitable for various applications such as machinery, automobile, power plant etc. Unslitted conduits offer IP 68 protection in combination with Conduit Glands. UV resistant Conduits are also available on request. These Conduits are available in grey and black colour and comply with EN 60529 and IEC EN 61386 standards.

### Technical Details :

Material	Polyamide 6
Flexural Strength	700 kg / cm <sup>2</sup>
Flexural Modulus	18,000 kg / cm <sup>2</sup>
Tensile Strength	520 kg / cm <sup>2</sup>
Impact Strength	85 kg.cm / cm
Temperature Range	-40° C to +105° C Continuous, +130° C Short Term
Resistant	Alcohol, Benzol, Greases, Mineral Oil, Diesel Fuel, Sea Water, Petrol, etc.
Protection Class	IP 68
Approvals	<b>RoHS CE</b>

Cat. No. Grey	Cat. No. Grey Slitted	Cat. No. Black	Cat. No. Black Slitted	Inner Diameter d1 (mm)	Outer Diameter d2 (mm)	Bending Radius R (mm) ±10%	Standard Pack (metre)
		CPS-4.5B	CPSS-4.5B	5.0	7.1	12	100
CPS-07G	CPSS-07G	CPS-07B	CPSS-07B	6.4	10.0	15	50
CPS-10G	CPSS-10G	CPS-10B	CPSS-10B	9.6	13.0	20	50
CPS-12G	CPSS-12G	CPS-12B	CPSS-12B	11.8	15.8	30	50
CPS-16G	CPSS-16G	CPS-16B	CPSS-16B	15.9	21.2	40	50
CPS-22G	CPSS-22G	CPS-22B	CPSS-22B	21.7	28.5	45	50
CPS-28G	CPSS-28G	CPS-28B	CPSS-28B	27.8	34.5	55	50
CPS-36G	CPSS-36G	CPS-36B	CPSS-36B	36.0	42.5	60	30
CPS-48G	CPSS-48G	CPS-48B	CPSS-48B	46.5	54.5	70	30
CPS-56G	CPSS-56G	CPS-56B	CPSS-56B	56.3	67.2	110	30
CPS-70G	CPSS-70G	CPS-70B	CPSS-70B	70.0	82.5	160	10
CPS-95G	CPSS-95G	CPS-95B	CPSS-95B	91.5	106.0	210	10



### APPLICATION IMAGE

## POLYETHYLENE FLEXIBLE CONDUITS SLITTED / UNSLITTED

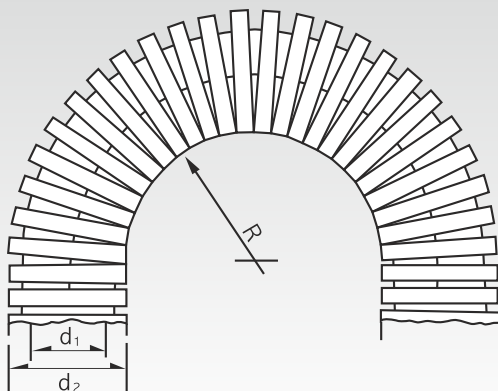


These Conduits are made of soft polyethylene (PE). They are flexible, and have a small bending radius. They are suitable for various applications such as chemical apparatus (acid resistance, alkali resistance) etc. These Conduits offer IP68 protection in combination with Conduit Glands. These Conduits are available in grey and black colour and comply with EN 60529 and IEC EN 61386 standards.

### Technical Details :

Material	Polyethylene (PE)
Flexural Strength	498 kg / cm <sup>2</sup>
Flexural Modules	14,000 kg / cm <sup>2</sup>
Tensile Strength	290 kg / cm <sup>2</sup>
Impact Strength	55 kg.cm / cm
Temperature Range	-15 <sup>0</sup> C to +60 <sup>0</sup> C Continuous, +80 <sup>0</sup> C Short Term
Resistant	Acid, Sea Water, Ammonia, etc.
Protection Class	IP 68
Approvals	RoHS CE

Cat. No. Grey	Cat. No. Grey Slitted	Cat. No. Black	Cat. No. Black Slitted	Inner Diameter d1 (mm)	Outer Diameter d2 (mm)	Bending Radius R (mm) ± 10%	Standard Pack (metre)
		PES-4.5B	PESS-4.5B	5.0	7.1	12	100
PES-07G	PESS-07G	PES-07B	PESS-07B	6.4	10.0	15	50
PES-10G	PESS-10G	PES-10B	PESS-10B	9.6	13.0	20	50
PES-12G	PESS-12G	PES-12B	PESS-12B	11.8	15.8	30	50
PES-16G	PESS-16G	PES-16B	PESS-16B	15.9	21.2	40	50
PES-22G	PESS-22G	PES-22B	PESS-22B	21.7	28.5	45	50
PES-28G	PESS-28G	PES-28B	PESS-28B	27.8	34.5	55	50
PES-36G	PESS-36G	PES-36B	PESS-36B	36.0	42.5	60	30
PES-48G	PESS-48G	PES-48B	PESS-48B	46.5	54.5	70	30
PES-56G	PESS-56G	PES-56B	PESS-56B	56.3	67.2	110	30
PES-70G	PESS-70G	PES-70B	PESS-70B	70.0	82.5	160	10
PES-95G	PESS-95G	PES-95B	PESS-95B	91.5	106.0	210	10



### APPLICATION IMAGE

## TWIN SLITTED CONDUITS (CLOSABLE PROFILE)



These conduits are perfect solution for retrofit applications for cable protections against external impacts. Preassembled cable harnesses with already installed connector can be accomplished easily and safe. They are halogen free and UV resistant.

### Technical Details :

Material	Polyamide 6
Tensile Strength	500 N
Compression Resistance	750 N
Impact Resistance	2 J
Temperature Range	-40° C to +120° C Continuous, +150° C Intermittent
Colour	Black
Protection Class	IP 54
Approvals	<b>RoHS</b>

Size	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius R (mm)	Standard Pack (metre)
NW-7.5	STSC-7.5	5.6	10.3	25	50
NW-10	STSC-10	8.5	13.3	33	50
NW-13	STSC-13	11.0	16.0	35	50
NW-16	STSC-16	13.0	19.0	42	50
NW-17	STSC-17	15.5	21.5	45	50
NW-22	STSC-22	19.1	25.6	55	50
NW-23	STSC-23	21.9	28.5	68	50
NW-26	STSC-26	24.0	31.7	80	25
NW-29	STSC-29	27.2	35.0	120	25
NW-37	STSC-37	32.0	42.5	145	25
NW-50	STSC-50	43.9	53.9	150	25
NW-70	STSC-70	62.2	79.0	150	10

## LOCKABLE FLEXIBLE CONDUITS



These Corrugated Conduits are made from modified Polypropylene. They are very flexible, acid-proof, flame-retardant and have high cold impact strength. It is used in engine compartment, car body interior, machining industry, home appliance industry, heating and air-conditioning installations, ship and train building. Mounting tools are available for opening and closing of these conduits.

### Technical Details :

Material	Modified Polypropylene
Colour	RAL 9005 (Black)
Temperature Range	-40° C to +135° C Continuous, +150° C Short Term
Approvals	<b>RoHS</b>

Conduit Cat. No.	Conduit Inner Diameter (mm)	Conduit Outer Diameter (mm)	Bending Radius (mm)	Standard Pack for Conduit (metre)	Opening Tool Cat. No.	Closing Tool Cat. No.	Standard Pack for Tool (pieces)
SPPM-8.5	8.6	13.3	47	50	SPPM1 - 8.5	SPPM2 - 8.5	1
SPPM-10L *	10.2	13.2	47	50	-	-	1
SPPM-11	11.2	16.3	50	50	SPPM1 - 11	SPPM2 - 11	1
SPPM-13	12.2	18.9	50	50	SPPM1 - 13	SPPM2 - 13	1
SPPM-15	14.9	22.0	55	50	SPPM1 - 50	SPPM2 - 50	1
SPPM-19	19.0	26.2	65	50	SPPM1 - 50	SPPM2 - 50	1
SPPM-26	24.6	32.0	70	25	SPPM1 - 50	SPPM2 - 50	1

\* Self closing conduit - No tool is required.

## MODIFIED POLYAMIDE FLEXIBLE CONDUITS SLITTED / UNSLITTED



These Conduits are made of self extinguishing Polyamide 6. They are flexible, UV resistant, halogen-free and have a small bending radius. They offer good impact resistance and are suitable for various applications such as vehicle industries, body section and chassis etc. These Conduits offer IP 67 protection in combination with Conduit Glands.

### Technical Details :

Material	Modified Polyamide 6
Tensile Strength	250 N
Compression Resistance	320 N
Impact Resistance	1 J
Temperature Range	-40° C to +150° C Continuous, +175° C Intermittent
Colour	Black
Protection Class	IP 67
Approvals	<b>RoHS</b>

Size	Cat. No Unslitted	Cat. No Slitted	Inner Diameter (mm)	Outer Diameter (mm)	Standard Pack (metre)
NW4.5	SPAER-4.5	SPAERS-4.5	5	7.1	100
NW-7.5	SPAER-7.5	SPAERS-7.5	6.7	10	50
NW-10	SPAER-10	SPAERS-10	9.9	13	50
NW-12	SPAER-12	SPAERS-12	12.2	15.7	50
NW-13	SPAER-13	SPAERS-13	12.7	15.8	50
NW-17	SPAER-17	SPAERS-17	16.6	21.2	50
NW-22	SPAER-22	SPAERS-22	21.3	25.4	50
NW-23	SPAER-23	SPAERS-23	23.2	28.3	50
NW-26	SPAER-26	SPAERS-26	25.8	31.2	25
NW-29	SPAER-29	SPAERS-29	29	34.5	25
NW-37	SPAER-37	SPAERS-37	36	42.4	25
NW-50	SPAER-50	SPAERS-50	47.7	54.0	25

## FLEXI-COVER CONDUITS



Flexi-Cover is a quick and easy system for organizing and protecting pre-connected wires / cables. This system consists of a Conduit and a tool for locking and unlocking. The Conduit is an open tube made of Polyethylene resin which is capable of easily returning back to its normal state. The Conduit can be re-used hundreds of times with guaranteed flexibility. The tool for locking and unlocking operation is made of ABS and has a side opening that allows quick and easy placement of cables in the conduits.

### Technical Details :

Material	Polyethylene
Tool Material	ABS
Colour	Ivory & Black
Temperature Range	-15° C to +60° C Continuous

Conduit Cat. No. Ivory	Conduit Cat. No. Black	Inner Diameter (mm)	Standard Pack for Conduit (metre)	Opening / Closing Tool Cat. No.	Standard Pack for Tool (pieces)
EFC 10G	EFC 10B	8.0	50	EFCC10	1
EFC 16G	EFC 16B	15.0	50	EFCC16	1
EFC 22G	EFC 22B	20.0	50	EFCC22	1
EFC 28G	EFC 28B	25.0	50	EFCC28	1
EFC 34G	EFC 34B	30.0	50	EFCC34	1
EFC 40G	EFC 40B	38.0	50	EFCC40	1



## PLASTIC SEALTITE CONDUIT WITH SMOOTH COVER - ANMSF



RoHS



Spiral rein-forced PVC

These all-plastic conduits provide good mechanical protection of cables in less demanding applications such as the general machine and apparatus building industries. When used in combination with an polyamide fitting an IP 67 leak-tight cable protection system with a strong pull out strength is achieved.

### Technical Details :

Construction	Thick smooth PVC core reinforced with PVC spiral
Temperature Range	-20°C to +80°C Continuous, intermittent up to +100°C
Colour	Grey
Classification	According NEN-EN-IEC 61386.:
Compression Resistance	Class 1, Very Light (125 N)
Impact Resistance	Class 3, Medium (2 J)
Tensile Strength	Class 4, Heavy (1000 N)
Protection Class	IP 67 (dust proof, water tight)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius Static R (mm)	Bending Radius Dynamic R (mm)	Standard Pack (metre)
3/8"	ANMSF-3/8"	12.6	17.8	70	100	30
1/2"	ANMSF-1/2"	16.0	21.1	100	135	30
3/4"	ANMSF-3/4"	21.1	26.4	130	175	30
1"	ANMSF-1"	26.8	33.1	180	220	30
1 1/4"	ANMSF-1 1/4"	35.4	41.8	225	270	15
1 1/2"	ANMSF-1 1/2"	40.3	47.8	255	320	15
2"	ANMSF-2"	51.6	59.9	310	400	15

## PLASTIC SEALTITE CONDUIT WITH CORRUGATED COVER - AMPC



RoHS



Spiral rein-forced PVC

These plastic coated metal spiral conduit with a convoluted cover are very flexible & lightweight. They are designed for applications with a low bending radius requirement. They are typically used in static applications to protect cables on light machinery and equipment in situations where space is limited. These conduit provides good resistance to chemicals. These conduits when used in combination with fittings an IP 67 cable protection system with a strong pull out strength is achieved.

### Technical Details :

Construction	Plastic coated metal spiral with PVC cover
Temperature Range	-20°C to +70°C Continuous, intermittent up to +80°C
Colour	Grey
Classification	According NEN-EN-IEC 61386.:
Compression Resistance	Class 3, Medium (750 N)
Impact Resistance	Class 3, Medium (2 J)
Tensile Strength	Class 1, Very Light (100 N)
Protection Class	IP 67 (dust proof, water tight)

Size (DIN)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius Static R (mm)	Bending Radius Dynamic R (mm)	Standard Pack (metre)
9	AMPC-9	10	14	14	40	10
11	AMPC-11	13	17	17	48	10
13	AMPC-13	15	19	19	55	10
16	AMPC-16	16	21	21	60	10
21	AMPC-21	21	27	27	75	10
29	AMPC-29	30	36	36	100	10
36	AMPC-36	38	45	45	124	10
42	AMPC-42	44	52	52	143	10
48	AMPC-48	48	56	56	154	10

## GALVANISED STEEL FLEXIBLE CONDUITS - BARE METAL



The Square locked, helical Corrugated Bare Metal Conduits are highly flexible and have an angular profile. Their robust construction makes them resistant to high mechanical stresses. These also have high impact resistance. They are used in wiring of machine connections.

### Technical Details :

Material	Galvanized Steel
Protection Class	IP40
Temperature Range	-25° to +250°C Continuous
Approvals	<b>RoHS</b>

Size	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius R (mm)	Standard Pack (metre)
NW-7	MSB-7	8.0	10.0	32	50
NW-9	MSB-9	11.0	14.0	45	50
NW-11	MSB-11	14.0	17.0	50	50
NW-13.5	MSB-13	16.0	19.0	50	50
NW-16	MSB-16	18.0	21.0	55	50
NW-21	MSB-21	23.0	27.0	65	25
NW-29	MSB-29	32.0	36.0	95	25
NW-36	MSB-36	40.0	45.0	105	25
NW-42	MSB-42	45.0	50.0	130	25
NW-48	MSB-48	50.0	56.0	140	25

## GALVANISED STEEL FLEXIBLE CONDUITS - PVC SHEATHED



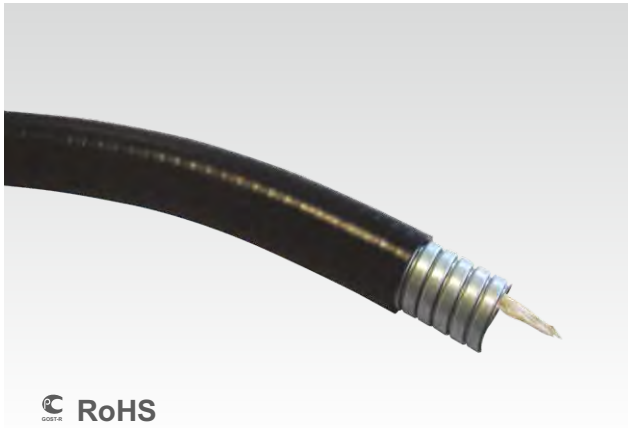
The Square locked, helical Corrugated Flame retardant PVC sheathed metal conduits are highly flexible. They do not contain silicon or cadmium. Their robust construction makes them resistant to high mechanical stresses. These also have high impact resistance. These conduits offer IP67 protection when combined with appropriate Controlwell conduit glands.

### Technical Details :

Material	PVC Coated Galvanized Steel
Protection Class	IP 54 / IP 65 in combination with Conduit Gland
Temperature Range	-5° to +60°C Continuous
Approvals	<b>RoHS</b>

Size	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Bending Radius R (mm)	Standard Pack (metre)
NW-7	MSP-7	7.0	10.0	25.0	50
NW-9	MSP-9	10.0	14.0	35.0	50
NW-11	MSP-11	13.0	17.0	50.0	50
NW-13.5	MSP-13	15.0	19.0	55.0	50
NW-16	MSP-16	17.0	21.0	60.0	50
NW-21	MSP-21	21.0	27.0	65.0	25
NW-29	MSP-29	28.0	36.0	75.0	25
NW-36	MSP-36	37.0	45.0	90.0	25
NW-42	MSP-42	44.0	52.0	120.0	25
NW-48	MSP-48	48.0	56.0	135.0	25

## LIQUID TIGHT PVC COATED SMOOTH CONDUITS - TYPE AEFB



RoHS



Square locked profile with cord packing from 5/16" to 1 1/4"



Fully inter-locked profile for size 1/4", 1 1/2" to 6"

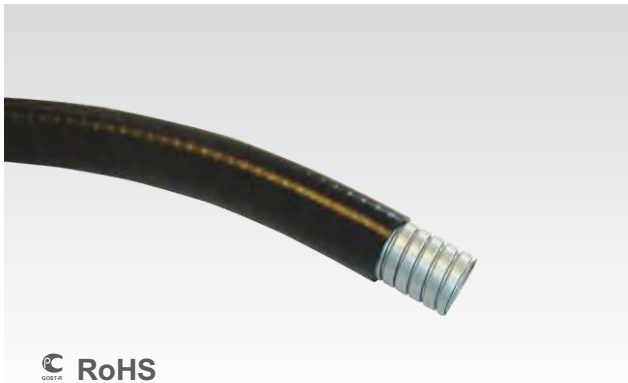
These conduits provides very good mechanical protection to cables on machines and equipment connected to enclosures and control boxes in wide range of industries such as packaging machines, and other transport systems. These conduits are resistant to UV & Sunlight. These conduits have good flexibility in static and semi dynamic applications. They are available up to maximum size of 6".

### Technical Details :

Construction	Hot dipped Galvanized steel core, square locked with cord packing and smooth PVC Cover. Size 1/4" & from 1 1/2" till 4" Fully inter-locked
Temperature Range	-25 <sup>o</sup> to +70 <sup>o</sup> C, Intermittent upto +90 <sup>o</sup> C
Protection Class	IP 67
Colour	Black
Compression Resistance	Class 4 Heavy (1250 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)
Resistance to Flame propagation	Non Flame Propagating

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AEFB-3/8"	12.6	17.8	60	75
1/2"	AEFB-1/2"	16.0	21.1	75	10
3/4"	AEFB-3/4"	21.0	26.4	90	10
1"	AEFB-1"	26.5	33.1	120	10
1 1/4"	AEFB-1 1/4"	35.1	41.8	150	10
1 1/2"	AEFB-1 1/2"	40.3	47.8	200	15
2"	AEFB-2"	51.6	59.9	250	15

## LIQUID TIGHT PVC COATED SMOOTH CONDUITS - TYPE AEFMB



RoHS



Square locked profile without cord packing

These conduits provides very good mechanical protection to cables on machines and equipment connected to enclosures and control boxes in wide range of industries such as packaging machines, wood cutting and metal working industry. These conduits are resistant to UV & Sunlight. These conduits have good flexibility in static and semi dynamic applications. They are suitable for outdoor use and burial installation.

### Technical Details :

Construction	Hot dipped Galvanized steel core, square locked without cord packing and smooth PVC Cover.
Temperature Range	-25 <sup>o</sup> to +70 <sup>o</sup> C, Intermittent upto +80 <sup>o</sup> C
Protection Class	IP 67
Colour	Black
Compression Resistance	Class 3 Medium (750 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)
Resistance to Flame propagation	Non Flame Propagating

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AEFMB-3/8"	12.6	17.8	60	75
1/2"	AEFMB-1/2"	16.0	21.1	75	60
3/4"	AEFMB-3/4"	21.0	26.4	90	30
1"	AEFMB-1"	26.5	33.1	120	30
1 1/4"	AEFMB-1 1/4"	35.1	41.8	150	15
1 1/2"	AEFMB-1 1/2"	40.3	47.8	200	15
2"	AEFMB-2"	51.6	59.9	250	15

## LIQUID TIGHT GALVANIZED STEEL PVC COATED SMOOTH CONDUITS - TYPE AHCB



Square locked profile with cord packing from 3/8" to 1 1/4"



Fully inter-locked profile for size 1 1/2" to 4"

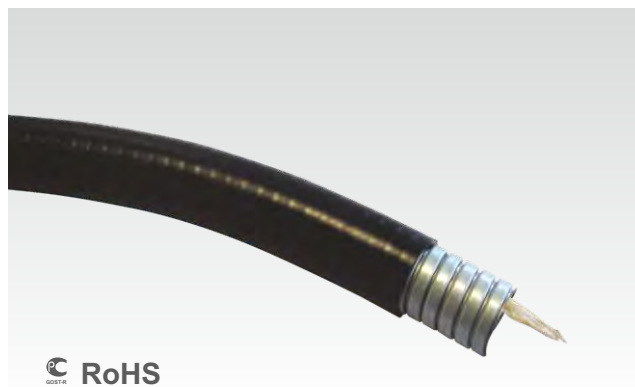
These conduits retain its functional integrity equally good in freezing and extremely hot conditions. Some of its applications include transformers, transport systems, wood cutting machines, sewing machines, security systems in energy plants, equipment and cabinets in the chemical, ceramic and construction industries. These conduits are resistant to UV & Sunlight. The PVC cover has good resistance against oil & grease. They are available up to maximum size of 4".

### Technical Details :

Construction	Hot dipped Galvanized steel core, square locked with cord packing and smooth PVC Cover from 3/8" to 1 1/4". Fully inter-locked profile from 1 1/2" to 4"
Temperature Range	-45 <sup>0</sup> to +105 <sup>0</sup> C, Intermittent upto +120 <sup>0</sup> C
Protection Class	IP 67
Colour	Black
Compression Resistance	Class 4 Heavy (1250 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AHCB-3/8"	12.6	17.8	60	10
1/2"	AHCB-1/2"	16	21.1	75	10
3/4"	AHCB-3/4"	21	26.4	90	10
1"	AHCB-1"	26.5	33.1	120	10
1 1/4"	AHCB-1 1/4"	35.1	41.8	135	10
1 1/2"	AHCB-1 1/2"	40.3	47.8	165	15
2"	AHCB-2"	51.6	59.9	210	15

## LIQUID TIGHT GALVANIZED STEEL PVC COATED SMOOTH CONDUITS - TYPE AORB



Square locked profile with cord packing from 3/8" to 1 1/4"



Fully inter-locked profile for size 1 1/2" to 6"

These conduits provide good mechanical protection of cables and resistance to aggressive oils and greases. When exposed to these substances, the conduit retains its flexibility and does not stiffen or rupture. They are used in many applications including machines where metalworking fluids are used, on diesel-engines, generator-sets and machines and equipment in the metal, paper, chemical and petrochemical industry. They are available upto maximum size of 4".

### Technical Details :

Construction	Hot dipped Galvanized steel core, square locked with cord packing and PVC Cover from 3/8" to 1 1/4". Fully inter-locked profile from 1 1/2" to 4"
Temperature Range	-15 <sup>0</sup> to +100 <sup>0</sup> C, Intermittent upto +120 <sup>0</sup> C
Protection Class	IP 67
Colour	Black
Compression Resistance	Class 4 Heavy (1250 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AORB-3/8"	12.6	17.8	60	10
1/2"	AORB-1/2"	16	21.1	75	10
3/4"	AORB-3/4"	21	26.4	90	50
1"	AORB-1"	26.5	33.1	120	30
1 1/4"	AORB-1 1/4"	35.1	41.8	150	30
1 1/2"	AORB-1 1/2"	40.3	47.8	200	15
2"	AORB-2"	51.6	59.9	250	15

## LIQUID TIGHT GALVANIZED STEEL PVC COATED SMOOTH CONDUITS - TYPE AHTDL



Square locked profile with copper wire from 3/8" to 1 1/4"



Fully inter-locked for size 1 1/2" to 3"

These conduits with integral grounding copper wire (till 1.1/4") provides EMI / EMP shielding for cables that require electromagnetic protection. These conduits are used to protect cables on machines, equipment, enclosures, internal transport systems, air-traffic-control systems, oil & gas installations and equipment in hazardous areas. They are available up to maximum size of 3". They have good resistance against oil & grease. These conduit are resistant to UV & sun light. They are available upto maximum size of 3".

### Technical Details :

Construction	Hot dipped steel core square locked with integral copper grounding wire till 1 1/4" and with smooth PVC cover. Fully inter-locked profile from 1 1/2" to 3"
Temperature Range	-45° to + 105°C, Intermittent upto +120°C
Protection Class	IP 67
Colour	Black
Applications	Used in hazardous environments according to NEC
Special Approval	UL-360 (File No. E18917)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AHTDL-3/8"	12.6	17.8	70	10
1/2"	AHTDL-1/2"	16.1	21.1	90	10
3/4"	AHTDL-3/4"	21.1	26.4	115	10
1"	AHTDL-1"	26.8	33.1	145	10
1 1/4"	AHTDL-1 1/4"	35.4	41.8	175	15
1 1/2"	AHTDL-1 1/2"	40.3	47.8	205	15
2"	AHTDL-2"	51.6	59.9	240	15

## LIQUID TIGHT STAINLESS STEEL PVC COATED SMOOTH CONDUITS - TYPE AHCI



Square locked profile with cord packing from 3/8" to 1 1/4"



Fully inter-locked for size 1 1/2" to 2"

This conduits are designed for use in applications where mechanical, corrosion and thermal protection of cables are required. They are used on equipment and installations in coastal, offshore and other demanding locations where conditions can be extreme. These conduit are resistant to UV & sun light. PVC cover has good resistance against oil & grease.

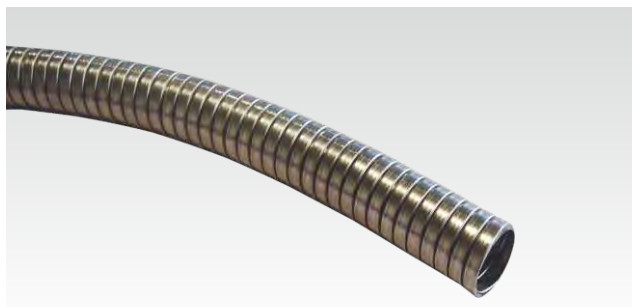
### Technical Details :

Construction	Stainless steel AISI-304 square locked with cord packing and PVC cover from 3/8" to 1 1/4" Fully inter-locked profile from 1 1/2" to 2"
Temperature Range	-45° to +105°C, Intermittent upto +120°C
Protection Class	IP 67
Colour	Black
Compression Resistance	Class 4 Heavy (1250 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	AHCI-3/8"	12.6	17.8	60	50
1/2"	AHCI-1/2"	16	21.1	75	10
3/4"	AHCI-3/4"	21	26.4	90	10
1"	AHCI-1"	26.5	33.1	120	10
1 1/4"	AHCI-1 1/4"	35.1	41.8	135	10
1 1/2"	AHCI-1 1/2"	40.3	47.8	165	15
2"	AHCI-2"	51.6	59.9	210	15



## STAINLESS STEEL SQUARE LOCKED CONDUITS - TYPE ASLI



RoHS



Square locked profile

These conduits provide high mechanical and chemical protection in applications that require a high degree of corrosion protection. Typical applications include the steel, foundry, marine and ship building industries as well as machine building.

### Technical Details :

Construction	Square-Locked Core Stainless Steel (AISI-304), Also available in (AISI-316)
Temperature Range	-100° to +600°C
Protection Class	IP 40
Colour	Metal
Compression Resistance	Class 4 Heavy (1250 N)      Heavy (4000 N)*
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/16"	ASLI-3/16"	4.8	6.8	23	30
1/4"	ASLI-1/4"	8.0	10.3	45	30
5/16"	ASLI-5/16"	10.1	12.8	50	30
3/8"	ASLI-3/8"	12.6	15.5	60	30
1/2"	ASLI-1/2"	16.0	18.9	75	30
3/4"	ASLI-3/4"	21.0	23.9	90	30
1"	ASLI-1"	26.5	30.0	120	30
1 1/4"	ASLI-1 1/4"	35.1	38.7	135	30
1 1/2"	AUI-1 1/2" *	40.3	44.4	230	15
2"	AUI-2" *	51.6	55.7	285	15

## STAINLESS STEEL BRAIDED GALVANIZED STEEL CONDUITS - TYPE ASLB



RoHS



Square locked profile with galvanized steel braiding

These conduits provide mechanical and EMC protection in critical applications. This robust, stainless steel braid cover provides a high level of electromagnetic shielding for cables. Typical applications include the steel, foundry, metalworking and other demanding heavy duty industries.

### Technical Details :

Construction	Galvanized Steel, Square-Locked Core with Stainless Steel Braid (AISI 304)
Temperature Range	-55° to +300°C
Protection Class	IP 40
Colour	Metal
Compression Resistance	Class 4 Heavy (1250 N)
Impact Resistance	Class 4, Heavy (6 J)
Tensile Strength	Class 4, Heavy (1000 N)

Size (Inch)	Cat. No	Inner Diameter (mm)	Outer Diameter (mm)	Static Bending Radius R (mm)	Standard Pack (metre)
3/8"	ASLB-3/8"	12.6	15.8	45	30
1/2"	ASLB-1/2"	16.0	20.5	55	30
3/4"	ASLB-3/4"	21.0	25.5	70	30
1"	ASLB-1"	26.5	32.8	95	30
1 1/4"	ASLB-1 1/4"	35.1	40.5	115	30
1 1/2"	ASLB-1 1/2"	40.3	46.5	165	30
2"	ASLB-2"	51.6	58	210	30