

Cable protection

Argonomy of cable protection:
because communication and energy
connections are the gateway to the world



ARGO d.o.o. is a Slovenian company established in 1990. We deal with manufacturing and trade activities. Initially it was engaged in designing and production of specialised nautical equipment, deck equipment of vessels for recreational and competitive sailing. Today the sailing boat production represents 5% of the whole production.

In 1991 we added a programme of house sewage systems to the nautical programme. The programme of the production of pipes and polypropylene fittings has successfully expanded and soon surpassed the nautical programme. Today it represents as much as 70% of the production. Argo is a manufacturer of sanitary plastic products with the most wide-ranging programme in the country. The quality of our products is second to none in Slovenia and we are also successfully proving our worth in the markets of Western and Eastern Europe.

In 2001 we launched the third programme: the programme of polyethylene cable ducts which currently represents 25% of our production.

We are operating on an area of 17,000 m², 4,000 m² of those are covered.

Yearly we produce approximately 1,000 tons of polyethylene and 3,000 tons of polypropylene. We also offer our clients a comprehensive programme of pipe systems including pipes and fittings for house sewage systems, street sewage systems, drainage, plumbing etc.

Despite the fact that we are already successful in our activities we do not intend to rest. We are expanding, complementing and improving our offer. So it is no coincidence that we named our company Argo. In mythology Argo was the name of Jason's ship that carried the fearless and daring sailors into the unknown world to find the Golden Fleece. Daring, boldness and the desire to make new discoveries is the entrepreneurial spirit of the Argonauts that also pervades our company. This is why we constantly expand and upgrade our manufacturing capacities, invest in professional training, follow the world trends and develop innovative solutions.

All this enables us to reach our most important goal: the satisfaction of our customers. We strive to offer our every client not just products of high quality but also solutions that are tailored for the client's specific needs and wishes. Following this mission is also the best guarantee for an even greater success on the broader European market, including Slovenia.

Pipes for protection of telecommunication and electricity cables

In times of exceptional growth of communications links and electricity conduits the protection of these is of vital importance for almost every company and individual, and for society as a whole. It is evident that present communications networks will soon become obsolete and that the capabilities of communications conduits laid alongside road links will be, and in some places already are, surpassed.

The price of protection pipes is small compared to the overall costs of cable laying; and excavating cable ditches and other accompanying construction works are a huge infrastructural hindrance, especially in urban areas. For this reason, it is useful to consider laying additional empty pipes already during construction of highways or during the initial excavation.

Intended purpose

Argo cable protection pipes can be used for protection of electrical and high voltage conduits, as a protection for information, control and communications techniques and all types of cables. They can be used as cable protection technique in industrial, road, tunnel and air strip construction, in power station construction and in power supply.

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The advantages of protecting cables with Argo pipe systems

- cable protection pipes Argokor and Argoflex with double wall are in compliance with the european standards EN 50086-2 and are classified according to CE 23-46
- they also endure the tests for surface pressure in accordance with standards CE-23-29
- impact resistant at temperatures up to -25°C
- resistant to perforation at temperatures up to -15°C
- they do not change in properties and are stable at temperatures between -50°C and +90°C
- their electrical insulation resistance exceeds 100 Mohms
- their electrical resistance exceeds 800 kV/cm
- resistant to chemicals
- no special preparation of ditches is necessary for laying these pipes
- their flexibility allows for simple laying on various terrains at various terrain slopes; obstacles can easily be avoided even without arches and similar accessories
- easily absorb dents caused by stones and other impacts at the same level of performance
- they can be laid under various terrains – wet, damp, aggressive
- storing, transport and installation is simple due to their light weight
- two pipes can be connected with a simple clamp, no adhesion is necessary

Other properties

- Pipes are manufactured in four standard colours:
 - red – power supply
 - yellow – telecommunications
 - green – TV and multimedia links
 - black
- Argoflex pipes are available in standard lengths in rolls of 50m together with a pull-out wire, Argokor pipes are available as 6m bars – in a set with one clip for connecting pipes

Certificates



Pipe installation

- the ideal **ditch width** is the width of three pipe diameters (3 D); a wider ditch increases the pressure load on the laid pipe
- **ditch depth (H):**
 - road traffic: 1m
 - other areas 0.5m (0.8m recommended)
- **pipe laying:** pipes should be laid on a levelled base where there is no large sharp stones and little height variations the of terrain
- **covering the ditch:**
 - we recommend caution as covering the ditch is a very important part of pipe installation
 - first, cover the area around the laid pipe with sand with 0 – 10 grade so that the pipe is immobilised from all sides
 - only then can the pipes be covered with a rougher material

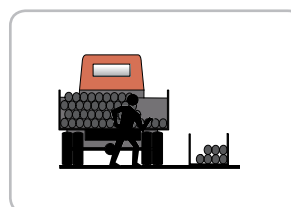
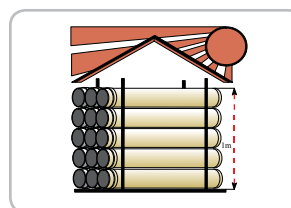
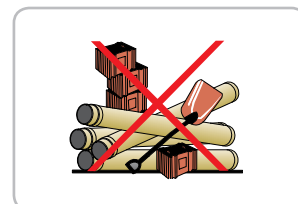
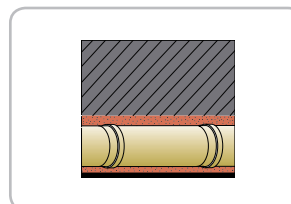
Transport and storing

Transportation and storing of Argo cable protection pipes is simple thanks to their light weight and because they are extremely impact and wear-out resistant. No special protection measures are needed but we do recommend that you handle the pipes sensibly. Protect them against sharp objects and edges that could damage the pipes. When they are stacked protect them against sliding but do not stack them higher than 1m.

When storing pipes on palettes which will be then stacked one on the other, make sure that the frames of one palette are suitably placed on the frames of the other palette.

Avoid dragging the pipes over sharp edges or over the floor when loading or unloading. We recommend that you use appropriate tools – for example bands for lifting.

Despite their high UV-resistance, pipes should not be stored unprotected in the open for more than one year.



PRODUCT – Cable protection


	Ø (mm)	ID Ø (mm)	description	EAN code	Unit	units per roll
PE PIPE – RIBBED, TWO LAYERS IN ARGOFLEX ROLLS	40	32	red	383 10205 0610 7	m	50
	40	32	green	383 10205 0920 7	m	50
	40	32	yellow	383 10205 0921 4	m	50
	50	41	red	383 10205 0611 4	m	50
	50	41	green	383 10205 0922 1	m	50
	50	41	yellow	383 10205 0923 8	m	50
	63	52	red	383 10205 0612 1	m	50
	63	52	green	383 10205 0927 6	m	50
	63	52	yellow	383 10205 0928 3	m	50
	75	61	red	383 10205 0613 8	m	50
	90	75	red	383 10205 0614 5	m	50
	110	94	red	383 10205 0615 2	m	50
	110	94	green	383 10205 0932 0	m	50
	110	94	yellow	383 10205 0933 7	m	50








	Ø (mm)	ID Ø (mm)	L (mm)	description	EAN code	Unit	units per pallet	meters per pallet
PE PIPE – RIBBED, TWO LAYERS AS ARGOKOR BARS	110	94	6000	black	383 10205 0937 5	pcs	67	402
	110	94	6000	red	383 10205 0620 6	pcs	67	402
	110	94	6000	yellow	383 10205 0938 2	pcs	67	402
	110	94	4000	black	383 10205 0623 7	pcs	67	268
	125	108	6000	black	383 10205 0939 9	pcs	51	306
	125	108	6000	red	383 10205 0621 3	pcs	51	306
	125	108	6000	yellow	383 10205 0940 5	pcs	51	306
	125	108	4000	black	383 10205 0619 0	pcs	51	204
	160	136	6000	black	383 10205 0941 2	pcs	33	198
	160	136	6000	red	383 10205 0622 0	pcs	33	198
	160	136	4000	black	383 10205 0624 4	pcs	33	132
	200	176	6000	black	383 10205 0942 9	pcs	20	120
	200	176	6000	red	383 10205 0625 1	pcs	20	120
	200	176	4000	black	383 10205 0626 8	pcs	20	80



PRODUCT – Cable protection

	Ø (mm)	wall thickness (mm)	L (mm)	description	EAN code	Unit	units per pallet	meters per pallet
PP PIPE – SMOOTH HTEM 	75	2,3	6000	red	383 10205 0361 8	pcs	145	870
	110	2,7	6000	red	383 10205 0357 1	pcs	67	402
	110	3,0	6000	yellow	383 10205 0362 5	pcs	67	402
	125	3,0	6000	red	383 10205 0360 1	pcs	51	306
	125	3,0	6000	yellow	383 10205 0359 5	pcs	51	306
	160	3,7	6000	red	383 10205 0364 9	pcs	33	198

	Ø (mm)	EAN code	Unit	unit per roll
PE PIPE – CHANNELLED FOR OPTICAL CABLES 	2 x Ø50	383 10205 0737 1	m	300
	2 x Ø32 + 2 x Ø40	383 10205 0738 8	m	300
	1 x Ø50	383 10205 0739 5	m	300

PRODUCT – Cable protection		ARTIKEL			
ACCESSORIES			Ø (mm)	EAN code	Unit
INSERTION ELEMENT – TRUMPET SHAPED			110	383 10205 0947 4	pcs
			160	383 10205 0948 1	pcs
					
SPACER FOR PE AND PP PIPE			110/4	383 10205 0732 6	pcs
			125/4	383 10205 0733 3	pcs
					
CAUTION TAPE	TELECOM			383 10205 0965 8	kg
	ELECTRICITY			383 10205 0966 5	kg
	CTV			383 10205 0967 2	kg
					
			Ø (mm)	EAN code	Unit
CLIP FOR RIBBED PIPE			40	383 10205 0608 4	pcs
			50	383 10205 0609 1	pcs
			63	383 10205 0616 9	pcs
			75	383 10205 0617 6	pcs
			90	383 10205 0618 3	pcs
			110	383 10205 0630 5	pcs
			125	383 10205 0631 2	pcs
			160	383 10205 0632 9	pcs
		200	383 10205 0633 6	pcs	
					



ARGO d.o.o. Horjul

Vrhniška cesta 30
SI - 1354 Horjul
Slovenija

t. +386 1 7591 700

f. +386 1 7591 720

e. info@argo.si

w. www.argo.si