

	HEAVY TYPE				MEDIUM TYPE					LIGHT TYPE				UNDERGROUND NETWORK								
	CONDUR®	CONFLEX®	CONDUR® HF	CONFLEX® HF	DUROSOL® PLUS	DUROFLEX® PLUS	MEDISOL® PLUS	MEDIFLEX® PLUS	MEDISOL® AM			MEDIFLEX® AM	MEDISOL®	MEDIFLEX®	SUPERSOL® PLUS	SUPERFLEX® PLUS	SILCOR®	SIFLEX®	GEONFLEX®	GEONFLEX® bar	GEOSUB®	GEOSUB® bar
CLASSIFICATION	44411	44412	44441	44442	33431	33332	33431	33332	33411			33412	33411	33412	23431	23332	23411	22412	N750	N750	N450	N450
TECHNOLOGIES	Halogen free	-	-	√	√	√	√	√	-			-	-	-	√	√	-	-	√	√	√	√
	Low smoke	-	-	-	-	-	√	-	√	-		-	-	-	√	√	-	-	-	-	-	-
	Low acidity	-	-	√	√	√	√	√	-			-	-	-	√	√	-	-	-	-	-	-
	Antimicrobial	-	-	-	-	-	-	-	√			√	-	-	-	-	-	-	-	-	-	-
	Anti - electromagnetic	-	-	-	-	-	-	√	√	-		-	-	-	√	√	-	-	-	-	-	-
	Low friction	-	-	-	-	√	√	√	√	-		-	-	-	√	√	-	-	√	√	-	-
	UV Stability	√	√	√	√	√	√	√	√	√		√	√	√	-	-	-	-	√	√	√	√
	Anti-Rodent	√	√	√	√	√	√	√	√	√		√	-	-	-	-	-	-	√	√	-	-
	Color marking	-	-	-	-	√	√	-	-	-		-	-	-	√	√	-	-	√	√	√	√
	SPECIFICATIONS	Material	U-PVC	U-PVC	PC Blend	PC Blend	PO Blend	PO Blend	PO Blend	PO Blend	U-PVC		U-PVC	U-PVC	U-PVC	PO Blend	PO Blend	U-PVC	U-PVC	HDPE	HDPE	HDPE
Compression strength		>1250Nt	>1250Nt	>1250Nt	>1250Nt	>750Nt	>750Nt	>750Nt	>750Nt	>750Nt		>750Nt	>750Nt	>750Nt	>320Nt	>320Nt	>320Nt	>320Nt	Type 750	Type 750	Type 450	Type 450
Impact strength		6J	6J	6J	6J	2J	2J	2J	2J	2J		2J	2J	2J	2J	2J	2J	1J	Normal	Normal	Normal	Normal
Minimum temperature (°C)		-25	-25	-25	-25	-25	-15	-25	-15	-25		-25	-25	-25	-25	-15	-25	-25	-5	-5	-5	-5
Max temperature (°C)		60	60	120	120	105	105	105	105	60		60	60	60	105	105	60	60	90	90	90	90
Resistance to flame propagation		Non flame propagating				Non flame propagating					Non flame propagating				Flame propagating							
Ingress Protection		min IP65	min IP65	min IP65	min IP65	min IP65	min IP65	min IP65	min IP65	min IP65		min IP65	min IP65	min IP65	min IP65	min IP65	min IP65	min IP65	IP44/IP68*	IP44/IP68*	IP40/IP68*	IP40/IP68*
Resistance to bending		Rigid	Pliable	Rigid	Pliable	Rigid	Pliable	Rigid	Pliable	Rigid		Pliable	Rigid	Pliable	Rigid	Pliable	Rigid	Pliable	Pliable	Rigid	Pliable	Rigid
Diameters		Ø16-Ø63	Ø16-Ø63	Ø16-Ø40	Ø16-Ø40	Ø16-Ø32	Ø16-Ø32	Ø16-Ø32	Ø16-Ø32	Ø16-Ø63		Ø16-Ø63	Ø16-Ø63	Ø16-Ø63	Ø16-Ø32	Ø16-Ø32	Ø16-Ø32	Ø16-Ø40	Ø32-Ø200	Ø75-Ø250	Ø32-Ø200	Ø75-Ø250
Certifications		CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE		CE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE	CE-VDE
INSTALLATION FIELDS	Exposed	○	○	•	•	•	•	•	○		○	○	○	-	-	○	○	-	-	-	-	
	Concealed (dry walls)	○	○	○	○	○	○	○	○		○	○	○	•	•	○	○	-	-	-	-	
	Concealed (underplaster)	○	○	-	-	○	○	○	○	○		○	○	○	•	•	○	○	-	-	-	-
	Concealed (floor,ceilings)	○	○	○	○	○	○	○	○	○		○	○	○	•	•	○	○	-	-	-	-
	Underfloor in screed	○	○	-	-	•	•	•	•	○		○	•	•	-	-	-	-	•	•	○	○
	Concrete	•	•	-	-	•	•	•	•	○		○	•	•	-	-	-	-	•	•	-	-
	Outdoor	•	•	○	○	•	•	○	○	○		○	○	○	-	-	-	-	-	-	-	-
	Buried underground	○	○	○	○	○	○	○	○	○		○	○	○	-	-	-	-	•	•	•	•
	Wood	•	•	○	○	•	•	○	○	○		○	○	○	○	○	○	○	-	-	-	-
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TECHNOLOGIES EXPLANATION

Halogen free conduits acc. to EN 50642
Low smoke density of conduits burning acc. to EN 61034-2
Low acidity of gas content during combustion acc. to EN 60754-2
Antimicrobial protection on plastics acc. to ISO 22196
UV stability after testing in real and artificial (acc. to EN ISO 4892-2) weathering conditions
Anti-electromagnetic technology which absorbs part of the electromagnetic radiation emitted by the cables
Low friction in the internal layer of the conduit acc. to IEC/TR 62470
Anti-rodent technology which repels rodents (European Patent EP2698792)
Color marking with longitudinal stripes, of indelible color, for identification between power and telecommunication cables

SPECIFICATIONS EXPLANATION

CLASSIFICATION for cable protection conduit systems is according to EN 61386.01 and EN 61386.24
Materials are specially stabilized heavy metals free (RoHs) thermoplastics
Compression strength for cable protection conduit systems refers to resistance to compression (EN 61386.01)
Impact strength for cable protection conduit systems refers to resistance to impact (EN 61386.01)
Ingress protection for cable protection conduit systems refers to protection against solid objects and water (EN 60529)
Diameters refer to pipe's outside diameters
***IP68** when the pipe is bonded to its coupler with the use of KOUVIDIS sealant

- Recommended
- Not recommended
- Best choice acc. to the manufacturer

The above Installation fields are only recommendations due to the technical specifications of KOUVIDIS products. National or local restrictions and prohibitions must always be considered.