

**Product description:**

FFKSS-SW is a grey, flexible plastic spiral conduit. The jacket is made of PVC-P with a spiral made of plastic-coated spring steel wire.

This plastic spiral conduit is used for control panel engineering, control cabinets, engineering and robotics. Advantages are its heavy compressive strength and cold impact strength in extreme temperatures.



temperature resistance range: -25° C to +60° C

**Special features**

UV-resistant for up to 10 years.

Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Bend radius > mm
281 21 007	07	7,0	10	50	m	3,000	10
281 21 009	09	10	14	50	m	6,000	14
281 21 011	11	13	17	50	m	6,500	17
281 21 016	16	16	21	50	m	9,500	21
281 21 021	21	21	27	50	m	12,500	27
281 21 029	29	30	36	25	m	9,500	36
281 21 036	36	38	45	25	m	15,250	45
281 21 048	48	48	56	25	m	19,750	56

Classification	Code	Meaning	Classification	Code	Meaning
Compressive strength	3	medium (750 N)	Protection against solids	4	Foreign matter >= 1.0 mm
Impact strength	3	medium (2.0 kg/100 mm)	Protection against water	0	Not specified
Minimum temperature	4	- 25 °C	Corrosion protection	0	Not specified
Maximum temperature	1	+ 60 °C	Tensile strength	0	Not defined
Bending behaviour	4	flexible	Fire behaviour	1	Non flame propagating
Electrical characteristics	2	Insulation	Suspended load	0	Not defined

Standardisation

EN 61386-1:2009 Conduit systems for cable management - Part 1: General requirements / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

EN 61386-23:2011 Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

Bend radius referring to the inside diameter of the conduit bend

All dimensions without tolerances are for information only.



Material properties		Fields of application	
Zero halogen	DIN VDE V 0604-2-100	on plaster	machines
Low smoke	DIN EN 61034-2	under plaster	hot asphalt
Non-flame propagating	DIN EN 61386-1	• on wood	under screed
UV-resistant	DIN 53387	• underground installation	prefabricated construction
Highspeed		in concrete	outdoor

Chemical properties	
Resistant to	hydrochloric acid emissions, sulphuric acid emissions, liquid ammonia, gaseous ammonia, gasoline, diesel fuel, aqueous fertiliser salt, photographic developer, vinegar (wine vinegar), anti-freeze, fruit juices, aqueous uric acid, fuel oil, sea water, methanol, milk, mineral oil, vegetable and animal oils, paraffin, gaseous propane, nitric acid, hydrochloric acid, sulfuric acid, turpentine, detergent
Limitedly resistant to	gaseous dry chlorine
Not resistant to	benzene, beer

Accessories		
Threaded connector	FKV-SW M	281 60 ...

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-23 in the sense of harmonization legislation of the EU. All safety-relevant tests have been adhered to. This product poses no further risk.

Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time.

Information can be obtained from our technical consultants at +49 9525 88-8123

