

**Product description:**

FFKuS-EM-F-LS0H Low Smoke is a medium-duty corrugated conduit made of special plastic, with low-friction inner surface, plastic jacket, available in black (RAL 9005), non-flame propagating, halogen-free.

This corrugated plastic conduit is used in particular for installation in concrete. The advantage is that very little smoke gas is generated. Escape routes can be found more quickly. Since they are halogen-free, no dangerous toxic and corrosive gases are produced.



EN 61386-22 / Minimum compressive strength: 750 N/5 cm
Halogen-free according to EN 50642
Testing of hydrohalic acids according to EN 60754-1
Corrosiveness according to EN 60754-2
Determination of smoke gas density according to EN 61034-2

**Special features**

Halogen-free corrugated conduits are marked with a continuous white stripe.

Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Pallet content m	Bend radius > mm
255 10 016	16	10,3	16	50	m	3,6	2.000,0	70
255 10 020**	20	13,6	20	50	m	4,8	1.400,0	90
255 10 025**	25	17,4	25	50	m	6,7	1.200,0	110
255 10 032	32	23,1	32	25	m	4,8	700,0	130
255 10 040	40	29,8	40	25	m	6,4	200,0	170
255 10 050	50	38,8	50	25	m	8,2	150	220
255 10 063	63	48,4	63	25	m	10,5	125	300

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	5	- 45 °C	Corrosion protection	0	Not specified
Maximum temperature	3	+ 105 °C	Tensile strength	0	Not defined
Bending behaviour	2	pliable	Fire behaviour	1	Non flame propagating
Electrical characteristics	2	Insulation	Suspended load	0	Not defined

Standardisation

EN 61386-1:2008 + A1:2019 Conduit systems for cable management - Part 1: General requirements / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

EN IEC 61386-22:2021 Conduit systems for cable management - Part 22: Particular requirements - Pliable conduit systems / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

Outside diameter according to DIN EN 60423 / IEC 60423
**with low friction inner surface

All dimensions without tolerances are for information only.

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Subject to change without notice.

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Material properties

Zero halogen	EN 50642	•
Low smoke	DIN EN 61034-2	•
Non-flame propagating	DIN EN 61386-1	•
UV-resistant	DIN EN ISO 4892-1	•
Highspeed		•

Fields of application

on plaster	•	machines	•
under plaster	•	hot asphalt	
on wood	•	under screed	•
underground installation	•	prefabricated construction	•
in concrete	•	outdoor	

Chemical properties

Resistant to	hydrochloric acid emissions, sulphuric acid emissions, liquid ammonia, gaseous ammonia, beer, 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, hydrochloric acid, sulfuric acid, detergent
Limitedly resistant to	gasoline, benzene, nitric acid
Not resistant to	gaseous dry chlorine, terpentine

Accessories

Push-fit coupling	RMKu-E-H0	259 10 ...
Push-fit coupling	SMSKu-E-H0	231 50 ...
Clamp	clipfix-H0	231 70 ...
Threaded connector	FKV-E	259 55 ...

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-22 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