

**Product description:**

FPKu-EM-F-LS0H Low Smoke is a medium duty straight length special plastic conduit, in grey (RAL 7035), non-flame propagating, available in lengths of 3 m, with one pre-moulded coupling.

This straight length plastic conduit is used in public buildings and industrial facilities. 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.



Minimum compressive strength: 750 N/5 cm
EN 61386-21
Halogen-free according to EN 50642
Determination of smoke gas density according to EN 61034-2

**Special features**

This product is suited for the installation of circuit integrity cables (E30/ E60/ E90) and has been tested in the system.

Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Pallet content m
233 10 016	16	13,0	16	111	m	7,326	7.992
233 10 020	20	16,8	20	111	m	10,212	4.995
233 10 025	25	21,5	25	57	m	7,011	3.135
233 10 032	32	28,0	32	57	m	9,804	2.052
233 10 040	40	35,5	40	21	m	4,914	1.407
233 10 050	50	45,2	50	21	m	7,455	798
233 10 063	63	57,8	63	21	m	10,080	504

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	4	+ 120 °C	Tensile strength	0	Not defined
Bending behaviour	1	rigid	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 61386-21:2011 Conduit systems for cable management - Part 21: Particular requirements - Rigid 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
All dimensions without tolerances are for information only.



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	liquid ammonia, gaseous ammonia, gaseous dry chlorine, sea water, nitric acid, hydrochloric acid, sulfuric acid
Limitedly resistant to	hydrochloric acid emissions, sulphuric acid emissions, diesel fuel, methanol, mineral oil, vegetable and animal oils, detergent
Not resistant to	carboxylic acid, gasoline

Accessories

Push-fit coupling	SMSKu-E-H0	231 50 ...
Push-fit elbow	SBSKu-EM-LS0H	233 60 ...
Clamp	clipfix-H0	231 70 ...

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-21 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