



Product description:

FFS-ES is a heavy duty, pliable steel conduit made of galvanised steel with narrow corrugation and an intermediate layer made of special insulation material, one coupling (SM-E-V) included.

This pliable steel conduit is used for exposed and concealed installations in residential and industrial buildings and for installation in hot asphalt. Advantages are its heavy compressive strength and high thermal resistance. In addition, it reliably protects wires and cables.



VDE 0605
DIN EN 61386-22
minimum compressive strength: 1250 N/5 cm



Special features

Suited for installations in hot asphalt thanks to its high-temperature resistance up to +250 °C.

Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Pallet content m	Bend radius > mm
201 10 016	16	11,7	16	25	m	4,850	1.200	140
201 10 020	20	15,7	20	25	m	6,050	1.000	140
201 10 025	25	20,2	25	25	m	7,725	800	160
201 10 032	32	26,7	32	25	m	9,750	700	200
201 10 040	40	34,2	40	25	m	12,250	175	300
201 10 050	50	43,7	50	25	m	15,400	125	400

Classification	Code	Meaning	Classification	Code	Meaning
Compressive strength	4	heavy (1250 N)	Protection against solids	4	Foreign matter >= 1.0 mm
Impact strength	4	heavy (2.0 kg/300 mm)	Protection against water	0	Not specified
Minimum temperature	5	- 45 °C	Corrosion protection	1	Light, inside and outside
Maximum temperature	6	+ 250 °C	Tensile strength	0	Not defined
Bending behaviour	2	pliable	Fire behaviour	1	Non flame propagating
Electrical characteristics	1	Conductive	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 61386-22:2011 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

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	ammonia, benzene, chlorine, paraffin, sulfuric acid
Limitedly resistant to	-
Not resistant to	-

Accessories		
Threaded coupling	SM-E-V	204 50 ...

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

