



### Product description:

FFKu-Smart net is a medium duty corrugated polyolefin conduit, double-walled, low friction, edgeless, in blue lilac (RAL 4005), non-flame propagating.

This data conduit is used for inserting and feeding data lines which are routed from the meter box to distribution boxes and the display or control panels for smart metering or smart grid. An advantage is the medium compressive strength, because of this the data conduit can be used in installation in concrete, in prefabricated construction and in concealed installations.



VDE 0605  
DIN EN 61386-22  
DIN 18015-1  
minimum compressive strength: 750 N/5 cm



### Special features

The special double-walled, low friction and edgeless design of the data conduit helps to avoid a small bend radius thus improving insertion characteristics. Particularly suited to insert and feed lines.

Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Pallet content m	Bend radius > mm
252 30 025	25	17,0	25,0	50	m	5,500	400	160

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	2	+ 90 °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 61386-1:2009 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.

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Subject to change without notice.

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## FFKu-Smart net

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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
<b>Non-flame propagating</b>	<b>DIN EN 61386-1</b>	• on wood	• under screed
UV-resistant	DIN 53387	• underground installation	• prefabricated construction
<b>Highspeed</b>		• in concrete	• outdoor

Chemical properties	
<b>Resistant to</b>	hydrochloric acid emissions, sulphuric acid emissions, liquid ammonia, gaseous ammonia, gasoline, 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
<b>Limitedly resistant to</b>	benzene, gaseous dry chlorine, nitric acid, terpentine
<b>Not resistant to</b>	-

Accessories		
Push-fit coupling	RMKu-E	259 30 ...
Push-fit coupling	SMSKu-EZF	259 50 ...
Plug	FRVS-E	259 70 ...
Plug	FWVS-E	259 75 ...
Clamp	clipfix grey	223 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

