

**Product description:**

Alu Gewinde-ES is a very heavy duty threaded conduit made of extruded aluminium, in lengths up to 3m, both ends threaded, one screwed-on coupling (AMG-E).

This aluminium conduit is used if high mechanical strength is required and for installation outdoors. Advantages are its very high compressive strength and its low weight.



VDE 0605
DIN EN 61386-21
Minimum compressive strength: 4000 N/5 cm



Cat. No.:	Type	Inside Ø mm	Outside Ø mm	Content	PU	Weight PU/kg	Pallet content m	Thread
210 10 016	16	12,7	16	30	m	5,190	5.400	M16x1,5
210 10 020	20	16,5	20	30	m	7,590	3.600	M20x1,5
210 10 025	25	21,1	25	30	m	8,970	2.400	M25x1,5
210 10 032	32	28,4	32	30	m	11,640	1.440	M32x1,5
210 10 040	40	36,2	40	15	m	7,815	1.080	M40x1,5
210 10 050	50	46,2	50	15	m	9,855	630	M50x1,5
210 10 063	63	58,8	63	15	m	14,010	450	M63x1,5

Classification	Code	Meaning	Classification	Code	Meaning
Compressive strength	5	very heavy (4000 N)	Protection against solids	5	Dust-protected
Impact strength	5	very heavy (6.8 kg/300 mm)	Protection against water	0	Not specified
Minimum temperature	5	- 45 °C	Corrosion protection	4	Strong inside and outside
Maximum temperature	6	+ 250 °C	Tensile strength	0	Not defined
Bending behaviour	1	rigid	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 61386-21:2011 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
Thread according to DIN EN 60423 / IEC 60423 / IEC 60423, pitch M...x1.5mm

All dimensions without tolerances are for information only.

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Subject to change without notice.

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Alu Gewinde-ES

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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
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	gasoline, benzene, diesel fuel, photographic developer, methanol, propane
Limitedly resistant to	gaseous dry chlorine
Not resistant to	acid emissions, nitric acid, hydrochloric acid, sulfuric acid

Accessories		
Threaded coupling	AMG-E	210 50 ...
Threaded elbow	ABG-E	210 60 ...
Threaded end cap	AEG-E	210 90 ...
Clamp	AKS-E	209 70 ...
Clamp	ASG-E	209 75 ...
Quick-connect coupling	SMK-E	205 55 ...
Threaded quick-connect nipple	SMG-E	205 75 ...
End cap	E-Ku-E grey	259 95 ...
End cap	E-Ku-E black	259 96 ...
Divisible end cap	E-Ku-ET	259 97 ...
Divisible end cap	E-Ku-ET-UV	259 98 ...

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**

