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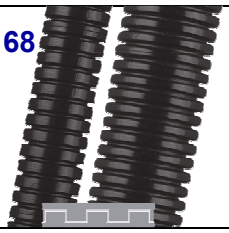
Technical Data Sheet



Flexible conduit

ROHRflex® PP

Nr.: 0231. ...

Revision A3
Nov 2013

Description

Material Plastic (PP)
Color Black

Temperature range
-40°C up to + 120°C ^....+ 150°C

Construction
Corrugated all-plastic tubing, internally and externally corrugated

Properties

- Material properties do not depend on air humidity
- air- and liquid-tight
- resistant against hydrous solutions, acids and alkalis
- widely resistant to solvents
- ozon resistant
- free of silicone and cadmium
- UV-resistant
- flame retardant

Applications

- machine and plant constructions
- insulated electrical installations for application rules machine and plant constructions acc. to DIN EN 60204

Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression*	N	> 125	EN 61386-23
Resistance to impact*	J	> 6	EN 61386-23
Resistance to bending*	Flexible		EN 61386-23
Reversed bending stresses		> 40,000	
Thermal characteristics			
Temperature range	°C	-40 ..+ 120°	
Short-term	°C	150°	
Flame characteristics			
Free of halogen and phosphor		Yes	DIN 53474
Flame class			UL 94
Resistance to flame propagation*		non flame propagating	EN 61386-23
Chemical characteristics			
Resistance to fuels, mineral oils, fats, alkalises, acids and bases		excellent	
System test			
Pull-out resistance with FLEXAquick*	N	100	EN 61386-23

* Classification for flexible conduit systems for electrical installation DIN EN IEC 61386-23 (Details are based upon dimension OD 21.2)

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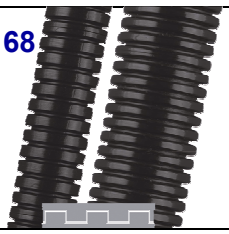
Technical Data Sheet

IP 68



Flexible conduit

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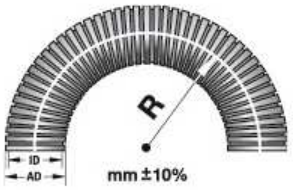
Dimensions

Fine profile



Smallest bending radius
stat. > static (fixed)
dyn. > dynamic

Part No.	AD OD					
Color: Black	**ø**	**mm**	**stat**	**dyn**	**kg/m**	**m**
fine profile						
0231.002.006	10,0	7,0 x 10,0	21	70	0,013	50
0231.002.010	13,0	10,0 x 13,0	26	80	0,024	50
0231.002.012	15,8	12,0 x 15,8	33	100	0,035	50
0231.002.014	18,5	14,3 x 18,5	46	180	0,050	50
0231.002.016	21,2	16,5 x 21,2	41	170	0,052	50
0231.002.023	28,5	23,0 x 28,5	59	230	0,093	50
0231.002.029	34,5	29,0 x 34,5	72	280	0,110	25
0231.002.036	42,5	35,5 x 42,5	86	310	0,158	25
0231.002.048	54,5	47,5 x 54,5	107	350	0,205	25

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