



Technical Data Sheet

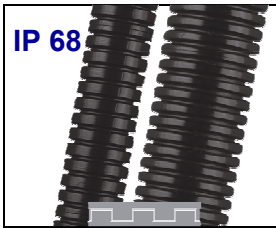
	Flexible conduit ROHRflex® PA 6-S         	Nr.: 0232. ... Revision C4 Nov 2013
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Description	Characteristics	Unit	Value	Test
Material Plastic (PA) Color Grey and Black Temperature range -40°C up to + 120°C ^....+ 150°C Construction Corrugated all-plastic tubing, internally and externally corrugated Properties - air- and liquid-tight - oil resistant up to 80°C - benzine resistant - widely resistant to acid and solvents - free of silicone, cadmium, halogen - highly self-extinguishing - flame retardant - black excellent UV-resistant, grey limited resistance - UL File No. E86359 Applications - Machine and plant constructions - Insulated electrical installations for application rules machine and plant constructions acc. to DIN EN 60204 - For static under carriage applications in railway cars	Mechanical characteristics Resistance to compression* Resistance to impact* Resistance to bending* Reversed bending stresses	N	> 320	EN 61386-23
		J	> 4	EN 61386-23
		Flexible		EN 61386-23
			> 40,000	
	Thermal characteristics Temperature range Short-term	°C	-40 ..+ 120°	
		°C	150°	
	Flame characteristics Free of halogen and phosphor Flame class Resistance to flame propagation*		Yes HB	DIN 53474 UL 94
			non flame propagating	EN 61386-23
	Light emitting filament check	°C	850	EN 60695-2-1/0
	Oxygen index	%	> 25	ISO 4589-2
	Flammability class		S 4	DIN 5510-2
	Smoke emission class		SR 2	DIN 5510-2
	Class of capacity of forming drops		ST 2	DIN 5510-2
	Smoke toxicity FED		0,20	DIN 5510-2
	Smoke index		F2	NFF16-101/-102
	Smoke emission class		I 2	NFF16-101/-102
	Toxicity index (NES 713)		7.04	Def. Standard 02-713
	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)



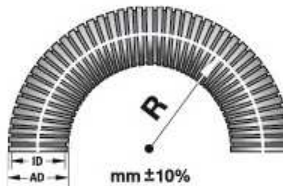
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 IP 68	Flexible conduit ROHRflex® PA 6-S        	Nr.: 0232. ... Revision C4 Nov 2013
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Dimensions



Fine profile



Smallest bending radius

stat. > static (fixed)

dyn. > dynamic

Part No.	Part No.	AD OD					
Color: Grey	Color: Black	Ø	mm	stat	dyn	kg/m	m
	fine profile						
0232.201.006	0233.209.006	10,0	6,5 x 10,0	13	35	0,020	50
0232.201.010	0233.209.010	13,0	10,0 x 13,0	20	45	0,024	50
0232.201.012	0233.209.012	15,8	12,0 x 15,8	35	55	0,034	50
0232.201.014	0233.209.014	18,5	14,3 x 18,5	40	65	0,050	50
0232.201.016	0233.209.016	21,2	16,5 x 21,2	45	75	0,056	50
0232.201.023	0233.209.023	28,5	23,0 x 28,5	55	100	0,090	50
0232.201.029	0233.209.029	34,5	29,0 x 34,5	65	120	0,120	25
0232.201.036	0233.209.036	42,5	36,0 x 42,5	90	150	0,165	25
0232.201.048	0233.209.048	54,5	48,0 x 54,5	100	190	0,225	25

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