








Technical Data Sheet




 <p>IP 68</p>	<p>Flexible conduit</p>	   	Nr.: 0242. ...
	<p>ROHRflex® PA 12-S</p>		Revision C5 Jan 2018



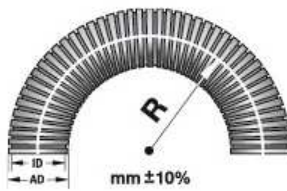
Description	Characteristics	Unit	Value	Test
<p>Material Plastic (PA) Color Black, Grey, Orange</p> <p>Temperature range -50°C up to + 100°C ^...+ 130°C</p> <p>Construction Corrugated all-plastic tubing, internally and externally corrugated</p> <p>Properties</p> <ul style="list-style-type: none"> • high alternate bending strength • air- and liquid-tight • oil and benzine resistant • widely resistant to acid and solvents • free of silicone, cadmium, halogen • highly self-extinguishing • flame retardant • UV-resistant 	<p>Mechanical characteristics</p> <p>Resistance to compression* Resistance to impact* Resistance to bending* Reversed bending stresses</p>	N J Flexible	> 125 > 1 > 1,000,000	EN 61386-23 EN 61386-23 EN 61386-23
	<p>Thermal characteristics</p> <p>Temperature range Short-term</p>	°C °C	-50 ..+ 100 130°	
	<p>Flame characteristics</p> <p>Free of halogen and phosphor Flame class Resistance to flame propagation* Light emitting filament check</p>	non flame propagating	Yes V2 850	DIN 53474 UL 94 EN 61386-23 EN 60695-2-1/0
<p>Applications</p> <ul style="list-style-type: none"> • Insulated electrical installations for application rules machine and plant constructions acc. to DIN EN 60204 • Especially for frequent reversed bending, e.g. for robotics • For static and dynamic applications of railway cars (especially for outside applications) 	<p>Chemical characteristics</p> <p>Resistance to fuels, mineral oils, fats, alkalises, acids and bases</p>		excellent	
	<p>System test</p> <p>Pull-out resistance with FLEXAquick*</p>	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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Dimensions										
 Fine profile  Coarse profile			 <p>Smallest bending radius stat. > static (fixed) dyn. > dynamic</p>							
Part No.	Color:	Color:	Color:	AD	OD	mm	stat	dyn	kg/m	m
	Black	Grey	Orange	∅						
Fine Profile										
0242.202.006	0236.201.006	0236.209.006	10,0	6,5	10,0	13	35	0,020	50	
0242.202.010	0236.201.010	0236.209.010	13,0	10,0	13,0	15	45	0,030	50	
0242.202.012	0236.201.012	0236.209.012	15,8	12,5	15,8	22	55	0,040	50	
0242.202.014	0236.201.014	0236.209.014	18,5	14,3	18,2	27	65	0,050	50	
0242.202.016	0236.201.016	0236.209.016	21,2	16,5	21,2	35	75	0,060	50	
0242.202.023	0236.201.023	0236.209.023	28,5	23,0	28,5	45	100	0,100	50	
0242.202.029	0236.201.029	0236.209.029	34,5	29,0	34,5	50	120	0,120	25	
0242.202.036	0236.201.036	0236.209.036	42,5	36,0	42,5	80	150	0,150	25	
0242.202.048	0236.201.048	0236.209.048	54,5	48,0	54,5	100	190	0,210	25	
Coarse Profile										
0242.232.016			21,2	15,5	21,2	45	75	0,060	50	
0242.232.023			28,5	22,0	28,5	55	100	0,100	50	
0242.232.029			34,5	28,0	34,5	65	120	0,120	25	
0242.232.036			42,5	35,8	42,2	90	150	0,140	25	
0242.232.048			54,5	47,5	54,5	100	190	0,210	25	

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