



Technical Data Sheet

 IP 68	Flexible conduit ROHRflex® PA 12-S    	Nr.: 0242. ... Revision C5 Jan 2018
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Description	Characteristics	Unit	Value	Test
Material Plastic (PA) Color Black, Grey, Orange Temperature range -50°C up to + 100°C ^....+ 130°C Construction Corrugated all-plastic tubing, internally and externally corrugated Properties • 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	Mechanical characteristics Resistance to compression* Resistance to impact* Resistance to bending* Reversed bending stresses	N J Flexible	> 125 > 1 > 1,000,000	EN 61386-23 EN 61386-23 EN 61386-23
	Thermal characteristics Temperature range Short-term	°C °C	-50 ..+ 100 130°	
	Flame characteristics Free of halogen and phosphor Flame class Resistace to flame propagation* Light emitting filament check	 non flame propagting °C	Yes V2 850	DIN 53474 UL 94 EN 61386-23 EN 60695-2-1/0
Applications • 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)	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)



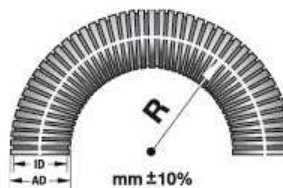
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Dimensions

 Fine profile

 Coarse profile



Smallest bending radius

stat. > static (fixed)

dyn. > dynamic

Part No.			AD OD					
Color: Black	Color: Grey	Color: Orange	Ø	mm	stat	dyn	kg/m	m
 Fine Profile								
0242.202.006	0236.201.006	0236.209.006	10,0	6,5 x 10,0	13	35	0,020	50
0242.202.010	0236.201.010	0236.209.010	13,0	10,0 x 13,0	15	45	0,030	50
0242.202.012	0236.201.012	0236.209.012	15,8	12,5 x 15,8	22	55	0,040	50
0242.202.014	0236.201.014	0236.209.014	18,5	14,3 x 18,2	27	65	0,050	50
0242.202.016	0236.201.016	0236.209.016	21,2	16,5 x 21,2	35	75	0,060	50
0242.202.023	0236.201.023	0236.209.023	28,5	23,0 x 28,5	45	100	0,100	50
0242.202.029	0236.201.029	0236.209.029	34,5	29,0 x 34,5	50	120	0,120	25
0242.202.036	0236.201.036	0236.209.036	42,5	36,0 x 42,5	80	150	0,150	25
0242.202.048	0236.201.048	0236.209.048	54,5	48,0 x 54,5	100	190	0,210	25
 Coarse Profile								
0242.232.016			21,2	15,5 x 21,2	45	75	0,060	50
0242.232.023			28,5	22,0 x 28,5	55	100	0,100	50
0242.232.029			34,5	28,0 x 34,5	65	120	0,120	25
0242.232.036			42,5	35,8 x 42,2	90	150	0,140	25
0242.232.048			54,5	47,5 x 54,5	100	190	0,210	25

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