



Technical Data Sheet

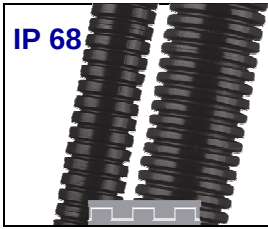
	Flexible conduit ROHRflex® PA 6           	Nr.: 0233. ... Revision B4 Nov 2013
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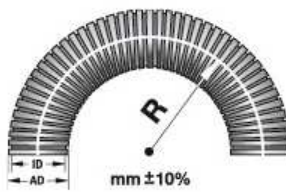
Description		Characteristics		Unit	Value	Test
Material Color Temperature range -40°C up to + 120°C ^...+ 150°C Construction Corrugated all-plastic tubing, internally and externally corrugated Properties • air- and liquid-tight • oil resistant up to 80°C • benzine resistant • widely resistant to acid and solvents • free of silicone, cadmium, halogen • highly self-extinguishing • flame retardant • black excellent UV-resistant, grey limited resistance • UL File No. E86359	Plastic (PA)	Mechanical characteristics Resistance to compression* Resistance to impact* Resistance to bending* Reversed bending stresses		N J Flexible	> 320 > 4 > 40,000	EN 61386-23 EN 61386-23 EN 61386-23
		Thermal characteristics Temperature range Short-term		°C °C	-40 ..+ 120° 150°	
		Flame characteristics Free of halogen and phosphor Flame class Resistance to flame propagation* Light emitting filament check Oxygen index Flammability class Smoke emission class Class of capacity of forming drops Smoke toxicity FED Smoke index Smoke emission class Toxicity index (R-Value) Smoke density (A ₀ -Wert) Toxicity index (NES 713) Material requirements R23 / R24		Yes V0 non flame propagating °C %	850 34 S 4 SR 2 ST 2 0.20 F 2 I 2 2.3 0.0827 7.04 HL3	DIN 53474 UL 94 EN 61386-23 EN 60695-2-1/0 ISO 4589-2 DIN 5510-2 DIN 5510-2 DIN 5510-2 DIN 5510-2 NFF16-101/-102 NFF16-101/-102 BS 6853 BS 6853 Def. Standard 02-713 CEN-TS 45545-2
		Chemical characteristics Resistance to fuels, mineral oils, fats, alkalises, acids and bases		excellent		
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		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.	Part No.	AD OD	 mm	 stat	 dyn	 kg/m	 m
Color: Grey	Color: Black	Ø					
 fine profile							
0233.201.006	0233.202.006	10,0	6,5 x 10,0	13	35	0,018	50
0233.201.010	0233.202.010	13,0	10,0 x 13,0	20	45	0,025	50
0233.201.012	0233.202.012	15,8	12,0 x 15,8	35	55	0,037	50
0233.201.014	0233.202.014	18,5	14,3 x 18,5	40	65	0,050	50
0233.201.016	0233.202.016	21,2	16,5 x 21,2	45	75	0,056	50
0233.201.023	0233.202.023	28,5	23,0 x 28,5	55	100	0,090	50
0233.201.029	0233.202.029	34,5	29,0 x 34,5	65	120	0,126	25
0233.201.036	0233.202.036	42,5	36,0 x 42,5	90	150	0,187	25
0233.201.048	0233.202.048	54,5	48,0 x 54,5	100	190	0,225	25
 coarse profile							
	0233.232.016	21,2	15,5 x 21,2	45	75	0,050	50
	0233.232.023	28,5	22,0 x 28,5	55	100	0,081	50
	0233.232.029	34,5	27,5 x 34,5	65	120	0,113	25
	0233.232.036	42,5	35,5 x 42,5	90	150	0,168	25
	0233.232.048	54,5	47,0 x 54,5	100	190	0,203	25

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