













PMA® conduits

Conduit guide

Products				PMAFLEX Pro			PMAFLEX					
Application areas				PHT	POH	PSX	CYL	ESD	PCL	PEL	PIS/PIH	POS
Machine building 	General applications	static				●		●				
		dynamic	●			●		●		●	●	
	Heavy loads	static										
		dynamic										
	Outdoor applications	static									●	
		dynamic									●	
	Antistatic requirements	static					●					
		dynamic					●					
Traction vehicles 	Outdoor applications with sunlight exposure	static								●		
		dynamic								●		
	Outdoor applications	static	●								●	
		dynamic	●								●	
Indoor applications	static		●									
Rail infrastructure 	Outdoor applications with sunlight exposure	static										
	Indoor and tunnel applications	static		●								
Automation/ Robotics 	Moving systems	dynamic	●			●		●		●	●	
	Systems with extreme movements	dynamic								●		
	Moving systems with antistatic requirements	dynamic					●					
Ship + Off-shore 	Outdoor general applications	static								●		
		dynamic	●							●	●	
	Indoor applications	static				●		●				
		dynamic				●		●			●	
Passenger area	static		●		●		●					
Energy 	Outdoor applications with sunlight exposure	static										
	Indoor applications	static		●		●		●	●		●	
	Exposed to radiation	static			●							
Food & Beverage 	General applications	static										
		dynamic										
Others     	Vehicle building	static	●									
	Telecommunications	indoor				●			●			
		outdoor										
	Building constructions	indoor		●								
		outdoor										
	Ex hazardous areas (ATEX, IECEx)	static						●				
	High temperature applications	static	●		●							

PMA® conduits

Conduit guide

Products		PMAFLEX Pro			PMAFLEX						
		PHT	POH	PSX	CYL	ESD	PCL	PEL	PIS/PIH	POS	
Material properties	Ductility										
	Reversed bending resistance										
	Compression resistance										
	Low temperature performance										
	High temperature performance										
	Resistance to weathering										
Approvals	Bi-National Recognition File UL1696 & CSA C22.2 No. 227.3-05 CSA C22.2 No. 227.3-05 Bi-National Listing File UL1660 & CSA C22.2 No. 227.2.1										
			Free from halogens, REACH + RoHS compliant	●	●	●	●	●	●	●	
			Non flame propagating EN61386			●	●	●	●	●	
	EN 45545-2 NFPA 130 (ASTM E162 – ASTM E662) BSS 7239/SMP 800-C ASTM E1354 PN-K 2511 GOST 12.1.044-89										
			DNV (Type approved)		●	●	●	●	●		
			Lloyd's Register (Type approved)		●	●	●	●	●		
			Bureau Veritas (Type approved)		●	●	●	●	●		
	Hazardous	ATEX									
		IECEX									
	Food & Beverage	NSF									
Ecolab											
Temperature range	Continuous operating temperature (acc. to DO 9.21-4510)	Min. (-)	-50	-25	-100	-40	-40	-50	-50	-50	-25
	Short term max. operating temperature 168h (acc. to DO 9.21-4360)	Max. (+)	180	120	200	105	90	105	60	95	95
Sizes	Nominal width min.		07	10	10	07	07	07	10	07	07
	Nominal width max.		48	48	48	125	95	125	48	125	95
	Metric size min.		10	12	12	10	10	10	12	10	10
	Metric size max.		50	50	50	146	106	146	50	146	106
Page no.			15	15	16	17	17	18	19	20	21

