

## FPDA

### 波纹管

#### Corrugated conduit

+90°C +194°F  
-45°C -49°F

Material: PA12 MOD ESD



- 用于ESD应用的防静电波纹管
  - 自熄, 不含卤素和镉
  - 优异动态抗疲劳性能
  - 在寒冷及干燥环境下的抗冲击性能优异
  - 优异的耐UV及耐候性能
  - 适用于需要防静电的场所
- antistatic corrugated conduit for ESD applications
  - self-extinguishing, free of halogen and cadmium
  - very good dynamic fatigue strength
  - good mechanical strength regarding physical impacts also in cold or dry environments
  - excellent UV/weathering performances
  - for demanding applications where electro static charge and uncontrolled discharge have to be avoided

温度范围 / Temperature range  
弯曲性能 / 柔性 / Flexibility/Ductility  
动态性能 / Dynamic  
机械防护性能 / Mechanical protection  
防火性能 / Fire precaution performance  
耐化学品性能 / Chemical resistance  
耐候性 / Resistance to weathering

min.		max.	
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■



产品号 Part No. <sup>1)</sup>	名义尺寸 Nominal width		接头系统 Fitting system	波型 Profile <sup>2)</sup>	尺寸 Dimensions in mm (nom.) <sup>3)</sup>		弯曲半径 Bending radius in mm		包装单元 PU m
	NW	metr.			内径 / ID	外径 / OD	stat. R.	dyn. R.	
黑色 / black			FIPLOCK® ONE						
FPDAF-07B.50	07	10		F	6,2	10,0	15	40	50
FPDAF-10B.50	10	12		F	9,6	12,8	20	45	50
FPDAF-12B.50	12	16		F	12,0	15,7	25	55	50
FPDAF-17B.50	17	20		F	16,6	21,1	30	65	50
FPDAF-23B.50	23	25		F	22,6	28,4	35	80	50
FPDAF-29B.50	29	32		F	29,0	34,5	45	100	50
FPDAF-36B.25	36	40		F	36,5	42,4	60	155	25
FPDAF-48B.25	48	50		F	47,5	54,4	70	170	25
FPDAC-56B.25	56	68	FIPLOCK® XL	C	56,3	67,2	100	250	25
FPDAC-70B.25	70	80		C	67,2	79,6	135	320	25
FPDAC-95B.10	95	106		C	91,3	106,0	150	420	10

您可以通过以下地址查询更多的技术信息 / You can find more technical information here

CADENAS - 产品CAD数据目录 / eCATALOG solutions electronic CAD catalog: <https://fraenkische-ip.partcommunity.com>

<sup>1)</sup> FIPLOCK® 波纹管编码规则 / Part numbering key for FIPLOCK® corrugated conduits: [www.fraenkische-ip.com/fiplock-part-no](http://www.fraenkische-ip.com/fiplock-part-no)

<sup>2)</sup> 波纹管波型 / Conduit profiles: [www.fraenkische-ip.com/fipsystems-profiles](http://www.fraenkische-ip.com/fipsystems-profiles)

<sup>3)</sup> 英制尺寸转换 / Conversion to inch: [www.fraenkische-ip.com/fipsystems-conversion-inch](http://www.fraenkische-ip.com/fipsystems-conversion-inch)



# FPDA 产品性能 / Product performances

应用性能 <i>Application performances</i>	特性 <i>Characteristics</i>	单位 <i>Unit</i>	规范标准 <i>Standards, specifications</i>	备注 <i>Remark</i>
温度范围 / <i>Temperature range</i>	-45 到 / <i>to</i> +90 -49 到 / <i>to</i> +194	°C °F	IS FIP	
温度 (短周期) / <i>Temperature (short-term)</i>	135 (500 h); 150 (100 h) 275 (500 h); 302 (100 h)	°C °F	IS FIP	
填充率 (最大) / <i>Filling ratio (max.)</i>	70	%	IS FIP	推荐值 / <i>Recommendation</i>

机械性能 / <i>Mechanical performances</i>				
冲击强度 / <i>Impact strength</i>	6	J	IS FIP	23°C / 73,4°F
冲击强度 / <i>Impact strength</i>	2	J	IS FIP	-25°C / -13°F
峰值负载 / <i>Peak load value</i>	125	N	IS FIP	NW17

防火性能 / <i>Fire safety performances</i>				
不含卤素和镉 / <i>Free from halogens and cadmium</i>	是 / <i>yes</i>			
阻燃等级 / <i>Fire classification</i>	HB		UL 94	

电气性能 / <i>Electrical performances</i>				
体积电阻率 / <i>Volume resistivity</i>	< 10 <sup>3</sup>	Ω m	DIN IEC 60093	
表面电阻率 / <i>Surface resistivity</i>	< 10 <sup>3</sup>	Ω	DIN IEC 60093	

耐候性 / <i>Weathering performances</i>				
UV- 及耐候性能 <i>UV and weathering performance</i>	优异 <i>excellent</i>		IS FIP	可达 30 年 <i>up to 30 years</i>

测试条件参照EN ISO 139 , 温度 23°C / 湿度50% r. F. (如未注明测试条件). IS FIP = FIP内部测试规范

Tests carried out acc. EN ISO 139 at 23°C / 50% r. h. (if not indicated differently). IS FIP = Internal Specification FIP

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