

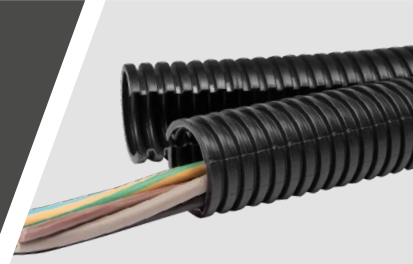
## 2PDS

可分型双层波纹管

Divisible corrugated conduit

+110°C +230°F  
-50°C -58°F

Material: PA12 MOD BS



- 自熄, 不含卤素和镉
- 耐候性能优异
- 动态抗疲劳性能优异
- 机械性能好
- 防火性能好
- 双层结构提供了更高的抗冲击性能

- self-extinguishing, free of halogen and cadmium
- excellent weathering performances
- very good fatigue strength
- good mechanical performances
- good fire safety performances
- double shell conduit properly overlaps and provides enhanced cable protection against external impacts

温度范围 / Temperature range  
弯曲性能 / 柔性 / Flexibility/Ductility  
动态性能 / Dynamic  
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	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
黑色 / black	灰色 / grey	NW		内径 / ID	外径 / OD	stat. R.	dyn. R.	m
2PDSM-07B.50	2PDSM-07G.50	07	M	6,3	10,0	20	40	50
2PDSM-10B.50	2PDSM-10G.50	10	M	8,8	13,5	25	50	50
2PDSM-11B.50	2PDSM-11G.50	11	M	11,0	16,1	25	50	50
2PDSM-14B.50	2PDSM-14G.50	14	M	13,2	18,7	30	60	50
2PDSM-16B.50	2PDSM-16G.50	16	M	16,0	21,5	35	70	50
2PDSM-20B.50	2PDSM-20G.50	20	M	20,2	25,7	45	90	50
2PDSM-23B.50	2PDSM-23G.50	23	M	23,9	31,3	55	110	50
2PDSM-29B.25	2PDSM-29G.25	29	M	27,3	35,5	105	210	25
2PDSM-37B.25	2PDSM-37G.25	37	M	32,5	43,2	130	260	25
2PDSM-45B.25	2PDSM-45G.25	45	M	43,1	54,2	135	270	25
2PDSM-70B.10	2PDSM-70G.10	70	M	67,0	79,8	175	350	10
2PDSM-100B.10	2PDSM-100G.10	100	M	87,5	102,5	195	390	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 / eCATALOGsolutions electronic CAD catalog: <https://fraenkische-ip.partcommunity.com>

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



## 2PDS 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>	-50 到 / <i>to</i> +110 -58 到 / <i>to</i> +230	°C °F	IS FIP	
填充率 (最大) / <i>Filling ratio (max.)</i>	70	%	IS FIP	推荐值 / <i>Recommendation</i>
<b>机械性能 / <i>Mechanical performances</i></b>				
峰值负载 / <i>Peak load value</i>	320	N	IS FIP	
<b>应用性能 / <i>Application performances</i></b>				
石屑冲击测试 / <i>Stone impact test</i>	尺寸 4 – 5 mm / <i>Size 4 – 5 mm</i>		DIN EN ISO 20567-1:2017-07	2PDSM-20B
<b>防火性能 / <i>Fire safety performances</i></b>				
不含卤素和镉 / <i>Free from halogens and cadmium</i>	是 / <i>yes</i>		DIN EN ISO 63355:2023-08	
阻燃等级 / <i>Fire classification</i>	V2 (V0)		UL 94	
氧指数 / <i>Oxygen index</i>	>32	%	EN ISO 4589-2	
灼热丝测试 / <i>Glow wire test</i>	850 / 1562	°C / °F	IEC-60695-2-12	0,9 mm
火灾危害等级 / <i>Fire hazardous level</i>	HL2 R22 / HL3 R23		EN45545-2	
火焰蔓延 / <i>Spread of fire</i>	非火焰蔓延 <i>non flame propagating</i>		IEC EN 61386	
垂直燃烧测试 / <i>Vertical burning behavior</i>	100 自熄 <i>100 self-extinguishing</i>	mm/min	EN ISO 6941:2003	ECE R-118-02 附录 8 <i>ECE R-118-02 annex 8</i>
<b>耐候性 / <i>Weathering performances</i></b>				
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>
耐候测试 / <i>Weathering test</i>	符合 / <i>resistant</i>		DIN EN ISO 4892-2: 2013-07	5000h
防锈测试 <i>Corrosion test</i>	符合 / <i>compliant</i>		DIN EN ISO 9227:2017-07 DIN EN ISO 13018:2016-06	2PDSM-20B

测试条件参照EN ISO 139 , 温度 23°C / 湿度50% r. h. (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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