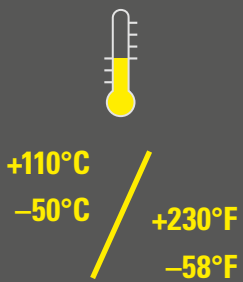
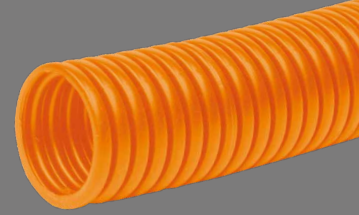


## FPDS-O

具有优异的抗疲劳性能的用于线束标识的橙色标准波纹管

*Corrugated conduit with excellent fatigue strength for marking special wiring*



	min.					max.
温度范围 <i>Temperature range</i>	█	█	█	█	█	█
柔韧性 <i>Flexibility/Ductility</i>	█	█	█	█	█	█
动态性能 <i>Dynamic</i>	█	█	█	█	█	█
机械保护性能 <i>Mechanical protection</i>	█	█	█	█	█	█
防火性能 <i>Fire precaution performance</i>	█	█	█	█	█	█
耐化学性能 <i>Chemical resistance</i>	█	█	█	█	█	█
耐候性 <i>Resistance to weathering</i>	█	█	█	█	█	█

材料: PA12 MOD BS 橙色

FPDS-O标准波纹管由特殊改性的尼龙12制成, 具有非常好的自熄及动态抗疲劳性能。这些波纹管同时能够提供在低温及干燥环境下非常好的抗物理冲击机械强度。产品具有优异的耐紫外线耐候性及耐化学性能。

**Material: PA12 MOD BS orange**

*The FPDS-O corrugated conduit made of specially modified Polyamide 12, provides self-extinguishing fire characteristics and very high fatigue strength against continous dynamic flexing movements. These corrugated conduit also offers good mechanical strength regarding physical impacts also in cold and dry environments. Good UV / weather and chemical resistance accomplishes this product.*

## FPDS-0

### 产品性能 / Product performances

应用性能 / Application performances	特性 Characteristics	单位 Unit	规范标准 Standards, specifications	备注 Remark
温度范围 Temperature range	-50 到 / to +110 -58 到 / to +230	°C °F	IS FIP	
温度 (短周期) Temperatur (short-term)	150 (500 h); 165 (100 h) 302 (500 h); 329 (100 h)	°C °F	IS FIP	
填充率 (最大) Filling ratio (max.)	70	%	IS FIP	
<b>机械性能 / Mechanical performances</b>				
冲击强度 Impact strength	6	J	IS FIP	23°C / 73,4°F
冲击强度 Impact strength	1	J	IS FIP	-45°C / -49°F
峰值负载 Peak load value	125	N	IS FIP	
拔脱强度 Pull out strength	500	B	IS FIP	23°C / 73,4°F FIPLOCK ONE NW 17
<b>防火性能 / Fire safety performances</b>				
不含卤素和镉 Free from halogens and cadmium	是 / yes			
阻燃等级 Fire classification	V2		UL 94	
产品防火特性 Fire characteristic of the product	自熄 self-extinguishing		UL 1696	
易燃性 Flammability	自熄 self-extinguishing		FMVSS 302	
氧指数 Oxygen index	32	%	EN ISO 4589-2	
灼热丝测试 Glow wire test	850 1562	°C °F	IEC 60695	
火灾危害等级 Fire hazardous level	HL3 R22 HL3 R23		EN45545-2	
火焰蔓延指数 Flame spread index	符合 compliant		ASTM E162	依照 /acc. NFPA 130
烟雾密度 Smoke density	符合 compliant		ASTM E662	依照 /acc. NFPA 130
烟雾毒性 Smoke toxicity	符合 compliant		BSS 7239/SMP 800-C	
热释放(焓) Heat release (Enthalpy)	20,9	MJ/kg (BTU/lb)	ASTM E1354	50 kW/m² 热通量 / heat flux
火焰蔓延 Spread of fire	非火焰蔓延 non flame propagating		IEC EN 61386	
垂直燃烧测试 Vertical burning behavior	Vi<100 自熄 self-extinguishing	mm/min	EN ISO 6941:2003	ECE R-118-02 附件 8 / annex 8
<b>耐候性 / Weathering performances</b>				
UV及耐候性 UV and weathering performance	优异 excellent		IS FIP	可达 20 年 up to 20 years

测试条件参照EN ISO 139温度23°C, 湿度 / 50% (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 different). IS FIP = Internal Specification FIP

产品号 Part No.	名义尺寸 Nominal width		波型 Profile	尺寸 (nom.)* Dimensions in mm (nom.)*		弯曲半径 mm Bending radius in mm		包装单元 PU
	NW	metr.		ID	AD / OD	stat. R.	dyn. R.	
orange								
FPDSF-0702.50	7	10	F	6,2	10,0	15	40	50
FPDSF-1002.50	10	12	F	9,6	12,8	20	45	50
FPDSF-1202.50	12	16	F	12,0	15,7	25	55	50
FPDSF-1702.50	17	20	F	16,6	21,1	30	65	50
FPDSF-2302.50	23	25	F	22,6	27,9	35	80	50
FPDSF-2902.50	29	32	F	29,0	33,8	45	100	50
FPDSF-3602.25	36	40	F	36,5	42,2	60	155	25
FPDSF-4802.25	48	50	F	47,5	54,0	70	170	25
FPDSC-1702.50	17	20	C	16,1	21,1	30	75	50
FPDSC-2302.50	23	25	C	22,0	28,3	40	90	50
FPDSC-2902.50	29	32	C	28,3	34,4	50	110	50
FPDSC-3602.25	36	40	C	36,6	42,2	55	170	25
FPDSC-4802.25	48	50	C	47,0	54,0	65	190	25
FPDSC-5602.25	56	68	C	56,3	67,2	100	250	25
FPDSC-7002.25	70	80	C	67,2	79,6	135	320	25
FPDSC-9502.10	95	106	C	91,3	106,0	150	420	10
FPDSC-12502.10	125	146	C	126,5	146,5	320	460	10

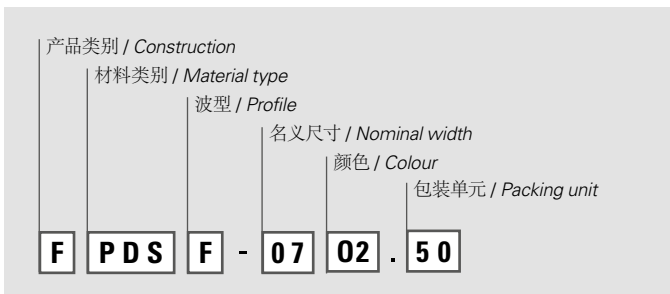
关于产品库存, 交期, 尺寸及颜色等问题请联系我们本地的经销商或客服。

Please contact our local distribution partner or our customer service regarding product availability, lead time, other sizes and colours.

\* 请参照PM sheet [www.fraenkische.com/pm-sheet-inch](http://www.fraenkische.com/pm-sheet-inch) 查询英制尺寸。

Please refer to the according PM sheet via [www.fraenkische.com/pm-sheet-inch](http://www.fraenkische.com/pm-sheet-inch) for the measurements in inch.

## 产品代码 / Number code:



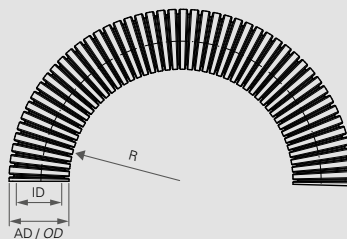
细波型 F / Fine profile F

更小的弯曲半径 / Tight bending radius



粗波型 C / Coarse profile C

更高的拔脱强度 / High pull-out strength



弯曲半径 / Bending radius

stat. R = 静态安装最小弯曲半径

lowest recommended bending radius for static (fixed) installation

dyn. R = 动态安装最小弯曲半径

lowest recommended bending radius for dynamic (flexible) installation

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