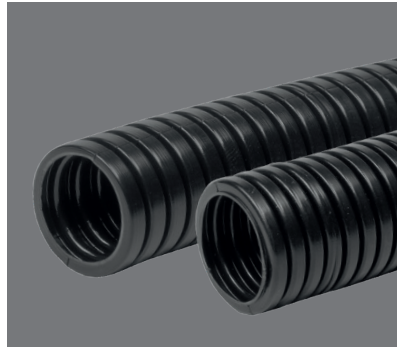


FPDR

波纹管

Corrugated conduit for high dynamic flexing movements



+90°C

-50°C

+194°F

-58°F

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

材料: PA12 MOD R

FPDR 波纹管由特殊改性PA12材料制成。材料自熄并具有非常优异的抗疲劳性能适用于连续动态弯曲应用的场合。特别适用于重型机器人应用。这类管自还具有非常好的机械保护性能,如具有非常高的抗摩擦性能及耐化学品性能。因此产品适用于各种严苛要求的应用场合。

Material: PA12 MOD R

The FPDR type of conduit made of specially modified Polyamide 12 provides self-extinguishing fire characteristics and excellent fatigue strength against continuous dynamic flexing movements. Especially suitable for heavy duty robotic applications. This conduit also offers good mechanical strength such as chafing resistance as well as very high chemical resistance. Therefore this product perfectly matches for most demanding application requirements.

FPDR

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	-45 到 / to +90 -49 到 / to +194	°C °F	IEC EN 61386	
温度范围 Temperature range	-50 到 / to +90 -58 到 / to +194	°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	
机械保护性能 / Mechanical performances				
冲击强度 Impact strength	1 / 100 mm	KG	IS FIP	-45°C / -49°F
峰值负载 Peak load value	125	N	IEC EN 61386	
灵活性检查 Flexing test	5.000	N	IS FIP	-45°C / -49°F +120°C / +248°F FPDSF & FPDSF NW17
拔脱强度 Pull out strength	320 (460)	N	IEC EN 61386 (IS FIP)	
防火性能 / Fire safety performances				
不含卤素和镉 Free from halogens and cadmium	是 / yes			
阻燃等级 Fire classification	HB (V2)		IS FIP according to UL94	
产品防火特性 Fire characteristic of the product	自熄 self-extinguishing		UL 1696	
火焰蔓延 Spread of fire	非火焰蔓延 non flame propagating		IEC EN 61386	
耐候性 / Weathering performances				
UV及耐候性 UV and weathering performance	优异 excellent		IS FIP	可达 30 年 up to 30 years

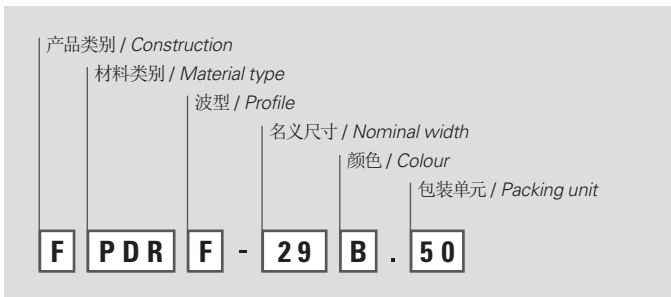
测试条件参照EN ISO 139温度23°C, 湿度 / 50% (如未注明测试条件)。IS FIP= FIP内部测试规范
Tests carried out acc. EN ISO 139 at 23°C / 50% r. h. (if not indicated different). IS FIP= Internal Specification FIP

产品号 Part No.		名义尺寸 Nominal width	波型 Profile	尺寸 (mm) Dimensions in mm (nom.)		弯曲半径 (mm) 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
FPDRF-29B.50	FPDRF-29G.50	29	F	29,0	34,5	45	100	50
FPDRF-36B.25	FPDRF-36G.25	36	F	36,5	42,4	60	155	25
FPDRF-48B.25	FPDRF-48G.25	48	F	47,5	54,4	70	170	25
FPDRC-29B.50	FPDRC-29G.50	29	C	28,3	34,7	50	110	50
FPDRC-36B.25	FPDRC-36G.25	36	C	36,6	42,3	55	170	25
FPDRC-48B.25	FPDRC-48G.25	48	C	47,0	54,4	65	190	25
FPDRC-56B.25	FPDRC-56G.25	56	C	56,3	67,2	100	250	25
FPDRC-70B.25	FPDRC-70G.25	70	C	67,2	79,6	135	320	25
FPDRC-70B.30	FPDRC-70G.30	70	C	67,2	79,6	135	320	30
FPDRC-95B.10	FPDRC-95G.10	95	C	91,3	106,0	150	420	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.

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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