

Shen Zhen Kinz Optoelectric Technology Co., Ltd.

Fiberkinz

“The POF Solutions Company”

光缆 一般技术规格

	塑料光纤	大芯径玻璃光纤	玻璃光纤		
	多模	多模	多模	多模	多模
光纤类型	阶跃型	阶跃型	渐变型	渐变型	阶跃型
核心/覆层直径 (μm)	980/1000	200/230	50/125	62.5/125	9/125
第一层直径缓冲管 (μm)	2200	500	250	250	250
数值孔径	0.5	0.37	0.20	0.275	-
衰减系数 db/km					
650nm	180	10	-	-	-
850nm	2000	8	≤3.00	≤3.50	-
1300nm	-	-	≤0.70	≤0.80	≤0.40
波长类型 (nm)	660	660/820	850/1300	850/1300	1300

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FOF Cable General Technical Data

	POF	200/230-Fiber	Glass-Fiber		
	Multimode	Multimode	Multimode	Multimode	Multimode
Fiber Type	Step index	Step index	Graded index	Graded index	Step index
Core / cladding diameter in μm	980/1000	200/230	50/125	62.5/125	9/125
Diameter of first buffer tube in μm	2200	500	250	250	250
Numerical aperture	0.5	0.37	0.20	0.275	-
Attenuation coefficient a in dB/km					
at 650nm	180	10	-	-	-
at 850nm	2000	8	≤3.00	≤3.50	-
at 1300nm	-	-	≤0.70	≤0.80	≤0.40
Typ. wave length in nm	660	660/820	850/1300	850/1300	1300

*POF = 聚合物光纤

*POF=Polymer-Optical-Fiber



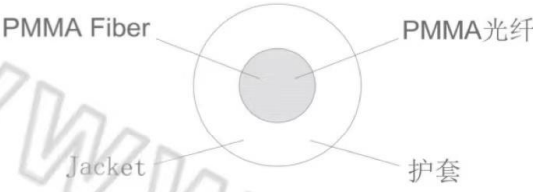
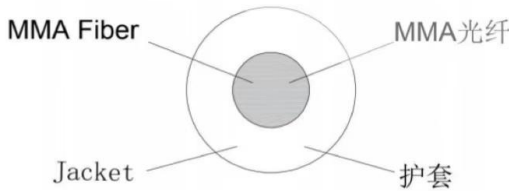
POE Cable/ POE 光缆

Plastic Fiber (POE*) Indoor 塑料光纤 (POE*) 室内		
简图/Dimension	描述 / Description	Art.-No.
	POE* fiber without coating poe*光纤无涂层	
	250μm	
	500μm	
	750μm	
	1000μm	
	1200μm	
	1500μm	
	2000μm	
	2500μm	
	3000μm	
(POE*) cable simplex (POE*) 光纤单芯		
简图 / Dimension	描述 / Description	Art.-No.
	PE coating black 1mm, fiber 0.5mm PE护套黑色 1mm, 光纤 0.5mm	
	PE coating black 2.2mm, fiber 0.5mm PE护套黑色 2.2mm, 光纤 0.5mm	
	PE coating black 2.2mm, fiber 0.75mm PE护套黑色 2.2mm, 光纤 0.75mm	
	PE coating black 1.25mm, fiber 1.0mm PE护套黑色 1.25mm, 光纤 1.0mm	
	PE coating black/white 1.35mm, fiber 1.0mm PE护套黑色/白色 1.35mm, 光纤 1.0mm	
	PE coating black 1.5mm, fiber 1.0mm PE护套黑色 1.5mm, 光纤 1.0mm	
	PE coating black 2.2mm, fiber 1.0mm PE护套黑色 2.2mm, 光纤 1.0mm	
	PE coating black 2.2mm, fiber 1.5mm PE护套黑色 2.2mm, 光纤 1.5mm	

Can be further customized according to the requirements/可根据要求进行进一步定制

*POE=Polymer-Optical-Fiber/*POE=聚合物光纤

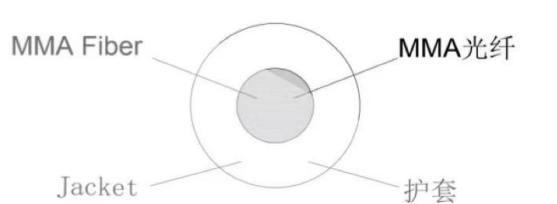
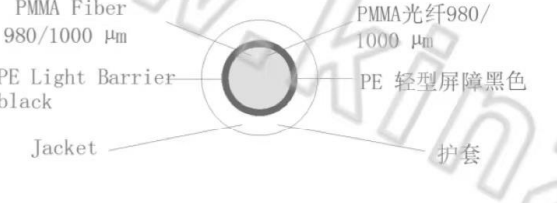
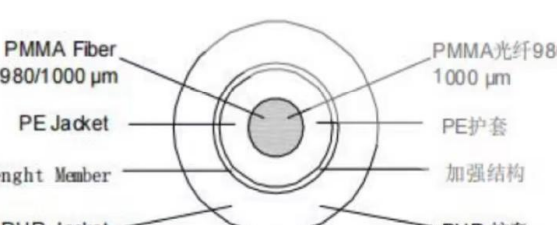
**POF Cable/
 POF光纤**

Plastic Fiber (POF*) Indoor 塑料光纤 (POF*) 室内		
简图 /Dimension	描述 / Description	Art.-No.
	PE coating black 2.2mm, fiber 1.0mm, UL listed PE护套黑色 2.2mm, 光纤 1.0mm, UL	
	PA coating black 2.2mm, fiber 1.0mm PA护套黑色 2.2mm, 光纤 1.0mm	
	PE coating white 1.85mm, fiber 1.5mm PE护套白色 1.85mm, 光纤 1.5mm	
	PE coating black 2.5mm, fiber 1.5mm PE护套黑色 2.5mm, 光纤 1.5mm	
	PE coating black 2.7mm, fiber 2mm PE护套黑色 2.7mm, 光纤 2mm	
	PE coating black 3.8mm, fiber 2mm PE护套黑色 3.8mm, 光纤 2mm	
	PVC coating black 3.5mm, fiber 2.5mm PVC护套黑色 3.5mm, 光纤 2.5mm	
	PVC coating black 4.5mm, fiber 3mm PVC护套黑色 4.5mm, 光纤 3mm	
	PVC coating black 5mm, fiber 4mm PVC护套黑色 5mm, 光纤 4mm	
	PVC coating black 6.3mm, fiber 5mm PVC护套黑色 6.3mm, 光纤 5mm	
	PVC coating black 7.5mm, fiber 6mm PVC护套黑色 7.5mm, 光纤 6mm	
	PVC coating black 11mm, fiber 8mm PVC护套黑色 11mm, 光纤 8mm	
	PVC coating black 13mm, fiber 10mm PVC护套黑色 13mm, 光纤 10mm	
PVC coating black 14mm, fiber 12mm PVC护套黑色 14mm, 光纤 12mm		

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**POF Cable/
POF光缆**

Plastic Fiber (POF*) Indoor 塑料光纤 (POF*) 室内		
简图 / Dimension	描述 / Description	Art.-No.
	PVC coating black 17.3mm, fiber 14mm PVC护套黑色 17.3mm, 光纤 14mm	
	PVC coating black 18mm, fiber 16mm PVC护套黑色 18mm, 光纤 16mm	
	PVC coating black 20mm, fiber 18mm PVC护套黑色 20mm, 光纤 18mm	
	PA coating black 1.5*orange 2.3mm, fiber 1.0mm 尼龙护套黑色 1.5*橙色 2.3mm, 光纤 1.0mm	
	PVC coating black 2.2*orange 3.8mm, fiber 1.0mm PVC护套黑色 2.2*橙色 3.8mm, 光纤 1.0mm	
	PVC coating black 2.2* 4.0mm, fiber 1.0mm PVC护套黑色 2.2*4.0mm, 光纤 1.0mm	
	PVC coating orange 2.2*5.0mm, fiber 1.0mm PVC护套橙色 2.2* 5.0mm, 光纤 1.0mm	
	PVC coating black 2.2*6.0mm, fiber 1.0mm PVC护套黑色 2.2* 6.0mm, 光纤 1.0mm	
	PVC coating orange Fireproof 2.2* 6.0mm, fiber 1.0mm PVC护套橙色防火 2.2* 6.0mm, 光纤 1.0mm	
	POF cable simplex for SERCOS interface 用于SERCOS接口的POF单工光缆	
	PUR outer jacket red 3.6mm ,pmma 1.0*2.2mm with strenght member PUR外护套红色3.6mm,光纤1.0*2.2带加强结构	
	PUR outer jacket red 6.0mm ,pmma 1.0*2.2mm with strenght member PUR外护套红色6.0mm,光纤1.0*2.2带加强结构	

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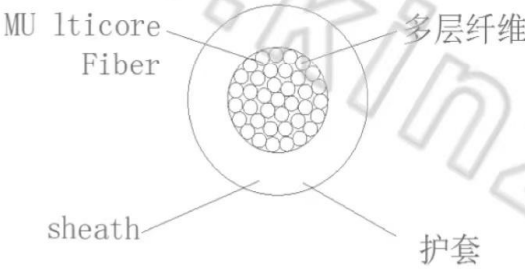
**POF Cable/
POF光缆**

Plastic Fiber (POF*) Indoor 塑料光纤 (POF*) 室内		
简图 /Dimension	描述 / Description	Art.-No.
	<p>Kato Crane cable 1.0*2.2*Kaofla*3.65mm 加藤吊车线1.0*2.2*凯夫拉*3.65mm</p>	
	<p>PVC Grey Jacket 5mm, Pmma fiber 1mm *PE Jacket 2.2mm*armor3.2mm *Kevlar*braid PVC灰色护套5mm, Pmma 1mm光纤 *PE内护套 2.2mm *armor3.2mm *凯夫拉*编织</p>	
	<p>PU black Jacket 8mm, Pmma fiber 1mm *PE Jacket 2.2mm*armor3.2mm *Kevlar(250kg)*braid PU护套黑色8.0mm, PMMA 1mm*PE 内护套 2.2mm*螺旋钢带铠装3.2mm, *凯夫拉(250KG)* 镀锡铜丝编织</p>	
	<p>PU black Jacket 6mm, Pmma fiber 1mm *PE Jacket 2.2mm*armor3.2mm *Kevlar*braid *PU护套黑色6.0mm, PMMA 1mm 光纤*PE 内护套 2.2mm*螺旋钢带铠装3.2mm *凯夫拉(常规)* 镀锡铜丝编织</p>	
	<p>POF cable duplex POF 双工光缆</p>	
	<p>PE jacket black, 1x2mm fiber 0.5mm PE护套黑色, 1x2mm 光纤 0.5mm</p>	
	<p>PE jacket black, 2.2x4.4mm fiber 1mm PE护套黑色, 2.2x4.4mm 光纤 1mm</p>	
	<p>PE jacket black, 2.2x4.4mm fiber 1mm with mark PE护套黑色, 2.2x4.4mm 光纤 1mm带白色记号</p>	
	<p>PVC coating black 6.0mm, dual core 1.0*2.2*4.4mm PVC护套黑色6.0mm, 双芯1.0*2.2*4.4mm</p>	

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**POF Cable/
POF光缆**

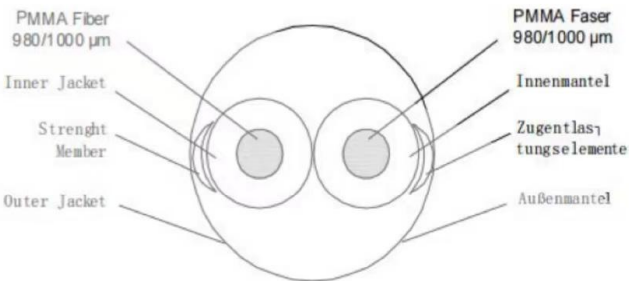
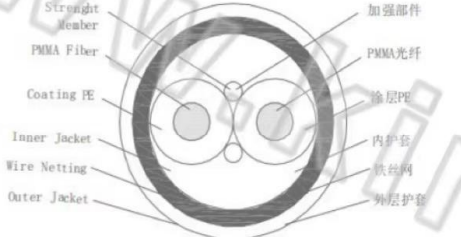
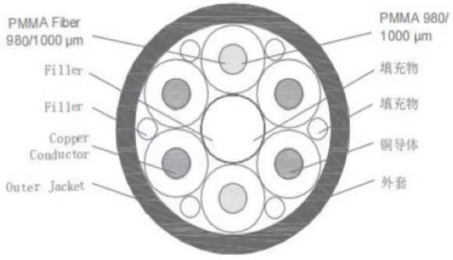
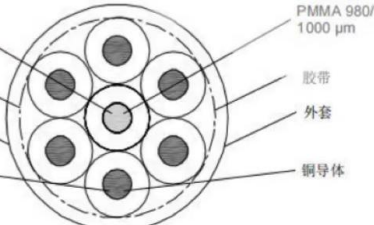
Plastic Fiber (POF*) Indoor 塑料光纤 (POF*) 室内	
	PVC coating grey 6.0mm, dual core 1.0*2.2*4.4mm with Kevlar PVC护套灰色6.0mm, 双芯1.0*2.2*4.4mm带铠夫拉
	PU coating orange 6.0mm, dual core 1.0*2.2*4.4*with Kevlar PU护套橙色6.0mm, 双芯1.0*2.2*4.4*带铠夫拉
 <p>MU Iticore Fiber 多层纤维</p> <p>sheath 护套</p>	POF multicore cable simplex POF 多芯单工光缆单
	PE jacket black, bundle 0.25*4 cores PE护套黑色, 捆 0.25*4 芯
	PE jacket black, bundle 0.25*8 cores PE护套黑色, 捆0.25*8 芯
	PE jacket black, bundle 0.25*9 cores PE护套黑色, 捆0.25*9 芯
	PE jacket black, bundle 0.25*10 cores PE护套黑色, 捆0.25*10 芯
	PE jacket black, bundle 0.25*16 cores PE护套黑色, 捆0.25*16 芯
	PE jacket black, bundle 0.25*32 cores PE护套黑色, 捆0.25*32 芯
	PE jacket black, bundle 0.25*64cores PE护套黑色, 捆0.25*64 芯
	PE jacket black, 2.2mm, bundle 151cores, fiber 1mm PE护套黑色, 2.2mm 151芯, 1mm光纤
	PE jacket black, 2.2mm, bundle 217 cores, fiber 1mm PE护套黑色, 2.2mm 217芯, 1mm光纤

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**POF Cable/
POF光缆**

**Plastic Fiber (POF*) Indoor
塑料光纤 (POF*) 室内**

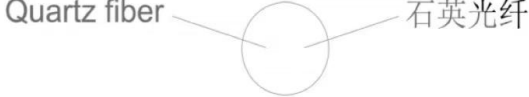

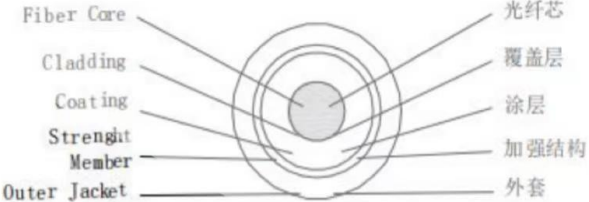

筒图 /Dimension	描述 / Description	Art.-No.
	POF cable duplex round with strain relief POF 双工带拉力光缆	
	PUR jacket red, 6.0mm I-V11Y 2Y2P 980/1000 160A 10 RT PUR 护套红色, 6.0mm I-V11Y 2Y2P 980/1000 160A 10 RT	
	PUR jacket violet, 6.0mm HEAVY I-V11Y 4Y2P 980/1000 160A 10 VI PUR护套紫罗兰色, 6.0毫米重 I-V11Y 4Y2P 980/1000 160A 10 VI	
	PUR jacket red, 6.4mm flexible, drag chain useable I-V11Y 2Y2P 980/1000 250A 10 RT PUR 护套红色, 6.4毫米, 灵活的拖链可用 I-V11Y 2Y2P 980/1000 250A 10 RT	
	PUR jacket violet, 8.0mm HEAVY I-V11Y 4Y2P 980/1000 230A 10 VI PUR护套紫罗兰色, 8.0毫米重 I-V11Y 4Y2P 980/1000 230A 10 VI	
	PUR jacket black, 9.0mm with wire netting, UV resistant PUR外套黑色, 9.0mm电线网, 抗紫外线	
	POF hybrid cable POF 混合电缆	
	PUR Jacket, 10.6mm, 2 LWL/4x1.5 Cu DESINA I-V11Y 4Y2P 980/1000 230A 10 FFLIY 4x1.5 300/300V VI PUR护套, 10.6mm, 2 LWL/4x1.5 Cu Desina I-V11Y 4Y2P 980/1000 230A 10 FFLIY 4X1.5 300/300V V	
	PUR jacket, 11mm, 1 LWL/6x1 Cu I-V11Y 2Y1P 980/1000 250A 10 FFLIY 6x1 300/300V SW PUR护套, 11mm, 1 LWL/6x1 Cu I-V11Y 2Y1P 980/1000 250A 10 Ffliy 6x1 300/300V SW	

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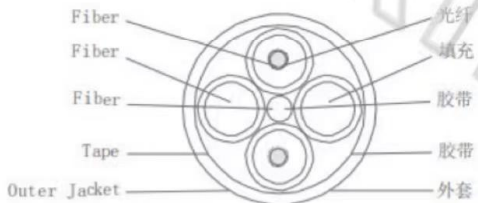
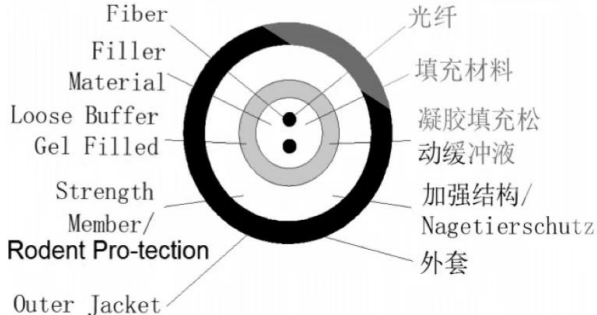
*POF=Polymer-Optical-Fiber/*POF =聚合物光纤

**POF Cable/
POF光缆**

**FO 200/230µm Indoor Cable, simplex
FO 200/230µm室内光缆, 单工**

简图 /Dimension	描述 / Description	Art.-No.
 <p>Quartz fiber 石英光纤</p>	<p>200/230/500 Fiber Optic Na0.37 quartz fiber 200/230/500 Fiber optic NA0.37石英光纤</p> <hr/> <p>400/440/590/880um Quartz fiber 400/440/590/880um 石英光纤</p> <hr/> <p>1000/1100UM/1350/1800um Quartz fiber 1000/1100UM/1350/1800um石英光纤</p>	
 <p>Quartz fiber 石英光纤 Kevlar 凯夫拉 PvcJacket Pvc护套</p>	<p>HPCS 1.0*2.2mm (200/230um) single core quartz fiber HPCS 1.0*2.2mm (200/230um)单芯石英光纤</p>	
 <p>Fiber Core 光纤芯 Cladding 覆盖层 Coating 涂层 Strenght Member 加强结构 Outer Jacket 外套</p>	<p>EVA jacket orange, 2.9mm I-VH 1K 200/230 10A17+ 8B20 OR EVA护套橙色, 2.9mm I-VH 1K 200/230 10A17+ 8B20 或</p>	
	<p>HPCS 1.0*2.2mm*5,0/6.0mm (200/230um) single -core quartz fiber HPCS 1.0*2.2mm*5,0/6.0mm (200/230um)单芯石英光纤</p>	

**PCF Cable/
PCF光缆**

FO 200/230µm Indoor Cable, duplex FO 200/230µm室内光缆, 双工		
简图 /Dimension	描述 / Description	Art.-No.
	HPCS 1.0*2.2*4.4mm (200/230um) dual -core quartz fiber HPCS 1.0*2.2*4.4mm (200/230um)双芯石英光纤	
	HPCS 1.0*2.2*4.4*6.0mm (200/230um) dual -core quartz fiber HPCS 1.0*2.2*4.4*6.0mm (200/230um)双芯石英光纤	
	EVA jacket orange, 3.9x6.8mm, I-V (ZN)HH2K 200/230 EVA护套橙色, 3.9x6.8mm, I-V (Zn) HH2K 200/230	
	PUR jacket red, 7.0 mm, flexible, drag chain useable I-V(ZN)Y11Y 2K 200/230 RT PUR 护套红色, 7.0mm, 灵活的拖链可用 I-V (ZN)Y11Y 2K 200/230 RT	
FO 200/230µm Outdoor Cable FO 200/230µm户外光缆		
简图 /Dimension	描述 / Description	Art.-No.
	PE jacket black, 2 fibers, 7.5mm outer diameter A-DQ(ZN)B2Y2K 200/230 PE护套黑色, 2芯, 7.5mm外径 A-DQ (ZN) B2Y2K 200/230	

**PCF Cable/
 PCF光缆**

FO 200/230µm Indoor Cable, duplex FO 200/230µm室内光缆, 双工		
简图 /Dimension	描述 / Description	Art.-No.
<p style="font-size: small;">Fiber 光纤 Filler 填料 Filler Blinde lement RodentProtection Nagetie schutz Outer Jacket 外套</p>	<p>PE jacket black, 2 fibers, 10.9mm outer diameter AT-V Q(ZN)HB2Y2K 200/230 10A17+8B20SW</p> <p>PE护套黑色, 2 fiber, 10.9m外径 AT-VQ (ZN HB2Y2K200/23010A17+8B20SW</p>	
<p style="font-size: small;">Fiber 光纤 Loose Buffer 缓冲液 Gel Filled 凝胶填充 Strenght Member 加强结构 Outer Jacket 外套</p>	<p>PE jacket black, with rodent protection 8.5 mm outer diameter, 12-fiber, A-DQ(ZN)BH 12K 200/230</p> <p>PE 护套黑色, 防鼠咬保护8.5mm外径, 12芯 A-DQ (ZN) BH 12K 200/230</p>	

Glass FO Outdoor Cable/玻璃FO户外电缆

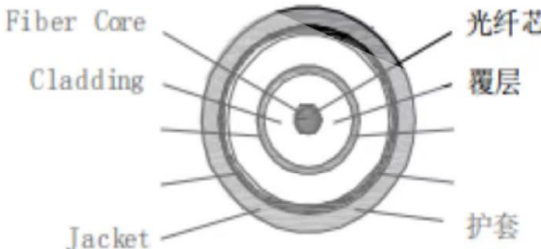
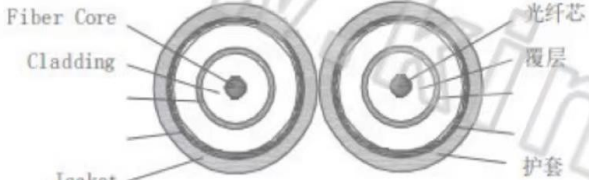
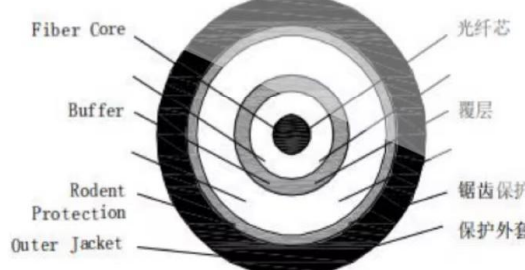
Outdoor cable with 2 fibers 50 or 62.5/125 µm, without and/or with non-metallic rodent protection, longitudinal and transversal waterproof, loose buffer gel filled, aramid strength member, PE jacket

带有2纤维50或62.5/125 µm的户外电缆, 无/或具有非金属防鼠咬保护, 纵向和横向防水, 松动的缓冲凝胶填充, ARAMID强度成员, PE护套

简图 /Dimension	描述 / Description	Art.-No.
<p style="font-size: small;">Loose buffer 松散的缓冲凝胶 Gel Filled 填充 Strength Member 加强结构 PE Jacket PE 护套</p>	2 Fibers 2芯光纤	
	<p>2x50/125 µm without rodent protection 2x50/125µm无防鼠咬保护</p>	
	<p>2x50/125 µm with rodent protection 2x50/125µm, 带防鼠咬保护</p>	
	<p>2x62.5/125 µm without rodent protection 2x62.5/125µm无防鼠咬保护</p>	
	<p>2x62.5/125 µm with rodent protection 2x62.5/125µm, 带防鼠咬保护</p>	

**PCF Cable/
PCF光缆**

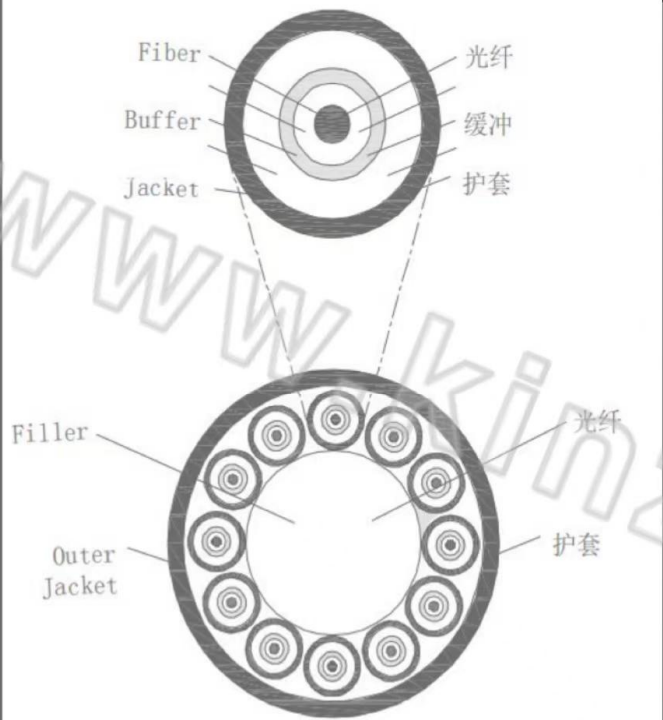
**FO Glass Fiber, Indoor
FO玻璃光纤，室内**

简图 /Dimension	描述 / Description	Art.-No.
	Glass-fiber LSZH-jacket 3mm outer diameter 玻璃光纤LSZH-护套 3mm外径	
	Fiber 50/125 μm simplex 光纤50/125μm单工	
	Fiber 62.5/125 μm simplex 光纤62.5/125μm单工	
	Glass-fiber LSZH-jacket 3x6mm outer diameter 玻璃光纤LSZH-护套 3x6mm外径	
	Fiber 50/125 μm duplex 光纤50/125μm双工	
	Glass-fiber breakout drag chain useable 玻璃光纤突破性阻力链可用	
	PUR jacket black 8mm, simplex Faser 50/125 μm, with rodent protection PUR 护套黑色8mm, 单工 光纤 50/125μm, 带防鼠咬保护	

Can be further customized according to the requirements/可根据要求进行进一步定制

**PCF Cable/
PCF光缆**

**FO Glass Fiber, Indoor
FO玻璃光纤, 室内**

简图 /Dimension	描述 / Description	Art.-No.
	PVC jacket black 50/125μm fiber PVC护套黑色50/125μm光纤	
	7.0 mm 2-fiber cable 7.0mm 2芯-光纤光缆	
	8.0mm 4-fiber cable 8.0mm 4芯-光纤光缆	
	9.5 mm 6-fiber cable 9.5mm 6芯-光纤光缆	
	11.5 mm 8-fiber cable 11.5mm 8芯-光纤光缆	
	12.5mm 12-fiber cable 12.5mm 12芯-光纤光缆	
	PVC jacket black 62.5/125μm fiber PVC护套黑色62.5/125μm光纤	
	7.0 mm 2-fiber cable 7.0mm 2芯-光纤光缆	
	8.0mm 4-fiber cable 8.0mm 4芯-光纤光缆	
	9.5 mm 6-fiber cable 9.5mm 6芯-光纤光缆	
	11.5 mm 8-fiber cable 11.5mm 8芯-光纤光缆	
	12.5mm 12-fiber cable 12.5mm 12芯-光纤光缆	

Can be further customized according to the requirements/可根据要求进行进一步定制

**PCF Cable/
 PCF光缆**

FO Glass Fiber, Indoor FO玻璃光纤, 室内		
简图 / Dimension	描述 / Description	Art.-No.
	LSZH jacket black 50/125μm fiber LSZH 护套黑色50/125μm 光纤	
	7.0 mm 2-fiber cable 7.0mm 2芯-光纤光缆	
	8.0mm 4-fiber cable 8.0mm 4芯-光纤光缆	
	9.5 mm 6-fiber cable 9.5mm 6芯-光纤光缆	
	11.5 mm 8-fiber cable 11.5mm 8芯-光纤光缆	
	12.5mm 12-fiber cable 12.5mm 12芯-光纤光缆	
	LSZH jacket black 62.5/125μm fiber LSZH 护套黑色 62.5/125μm 光纤	
	7.0 mm 2-fiber cable 7.0mm 2芯-光纤光缆	
	8.0mm 4-fiber cable 8.0mm 4芯-光纤光缆	
	9.5 mm 6-fiber cable 9.5mm 6芯-光纤光缆	
	11.5 mm 8-fiber cable 11.5mm 8芯-光纤光缆	
	12.5mm 12-fiber cable 12.5mm 12芯-光纤光缆	

Can be further customized according to the requirements/可根据要求进行进一步定制