



Mayki Lighting

**98 芯绞合通体发光光缆
技术规格书**

**98 Cores Twisted Side Glow Fiber Cable
Technical Specification**

MSOF-98*1.0

广州美宜灯饰有限公司

Mayki Lighting Limited.

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Guangzhou Mayki Lighting Limited

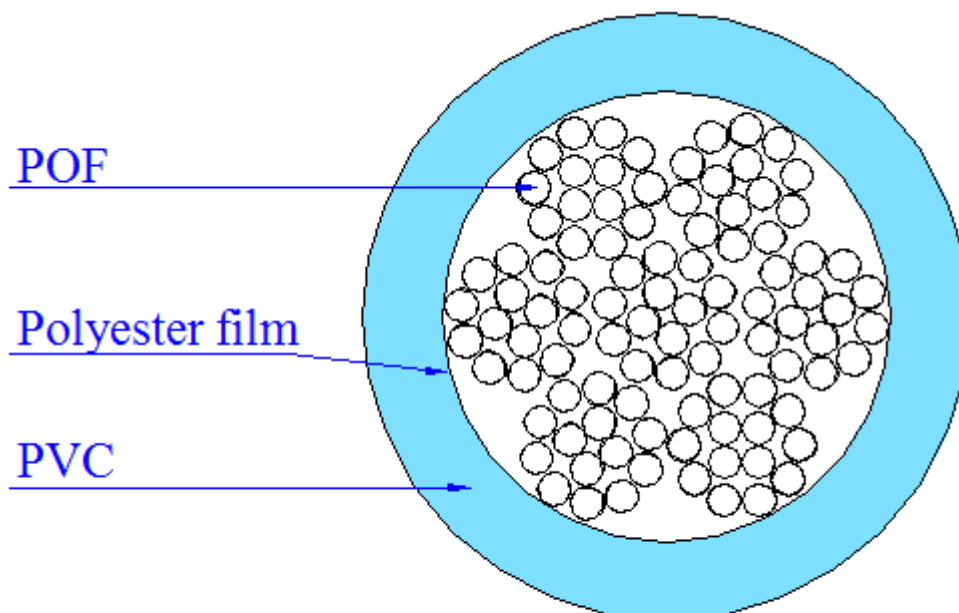
1.产品名称(Product Name): 98 芯绞合通体发光光缆(98 Cores Twisted Side Glow Fiber Cable)

2.产品型号(Product Type): MSOF-98*1.0

3.产品结构(Product Structure)

项目(Item)	技术参数(Technical Parameters)	单位(Unit)	
塑料光纤 Plastic Optical Fiber	纤芯材料(Core Material)	聚甲基丙烯酸甲酯(Polymethylmethacrylate)	—
	包层材料(Cladding Material)	氟树脂 (Fluorinated Polymer)	—
	纤芯折射率(Core Refractive Index)	1.49	—
	包层折射率(Cladding Reflective Index)	1.41	—
	折射率类型(Refractive Index Profile)	阶跃型(Step Index)	—
	数值孔径(Numerical Aperture)	0.5	—
	纤芯直径(Core Diameter)	980±60	μm
	包层直径(Cladding Diameter)	1000±60	μm
	芯数 (Cores Number)	98	Cores
护套 Jacket	材料(Material)	透明聚氯乙烯 (Transparent PVC)	—
	直径(Diameter)	18±1	mm
	颜色(Color)	透明 (Transparent)	—
单位重量 (Unit weight)	255	g/m	

4.产品结构示意图 (Product structure diagram)



JTCV2-1000-98 Structure Diagram

5. 性能 (Performance):

项目(Item)		条件 (Condition)	技术参数 (Technical Parameters)	单位(unit)
光学性能 Optical Performance	650nm 衰减 (Attenuation)	T=25 °C	≤20	dB/100m
	带 宽 (Bandwidth)	-	≥10	MHz.100m
环境性能 Environmental Performance	贮存和工作温度 (Storage and Operating Temperature)	无物理损伤和光学性能损伤 (No Physical Deterioration and No Deterioration in Optical Properties)	-55~+85	°C
	推荐工作温度 (Recommended Operating Temperature)	无光学性能损伤 (No Deterioration In Optical Properties)	-40~+70	°C
	安装温度 (Installation Temperature)	无光学性能损伤 (No Deterioration In Optical Properties)	-20~+70	°C

应用领域 (Application) : 照明 (Light)