



江苏田信塑料光纤有限公司

Jiangsu TX Plastic Optical Fibers Co.,Ltd

多芯塑料光纤光缆

产品规格书

Multi core plastic optical fiber cable

Product specifications

TX-FL0750-25

2019.06

[www.txpof.com](http://www.txpof.com)

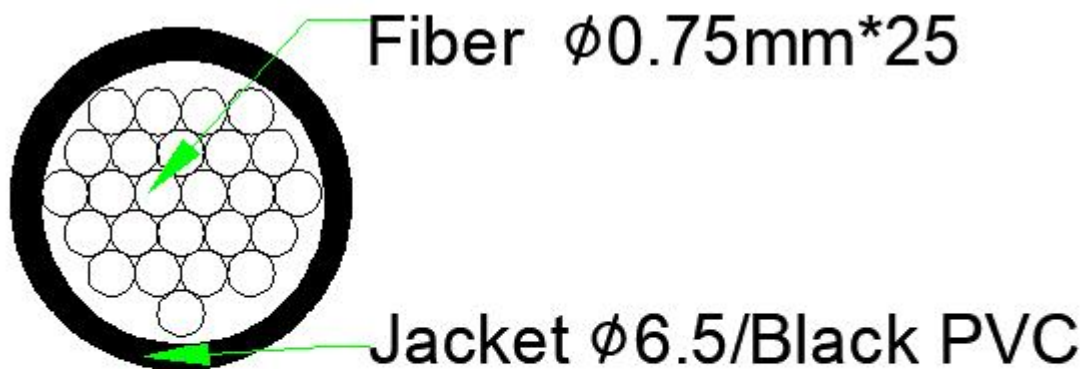


1. 产品名称(Product name): 多芯塑料光纤光缆(Multi core plastic side optical cable)
2. 产品型号(Product model): TX-FL0750-25
3. 产品结构(Product mix):

| 项目(Item)  | 技术参数(Technical parameter)            | 单位(Unit)                   |       |
|---|--------------------------------------|----------------------------|-------|
| 塑料<br>光<br>纤<br><br>Plastic<br>optical<br>fiber | 纤芯材料<br>(Core material)              | 聚甲基丙烯酸甲酯(PMMA)             | ——    |
|   | 包层材料<br>(Cladding material)          | 氟化高聚物(Fluorinated polymer) | ——    |
|   | 纤芯折射率<br>(Core refractive index)     | 1.49                       | ——    |
|   | 包层折射率<br>(Cladding refractive index) | 1.41                       | ——    |
|   | 数值孔径<br>(Numerical aperture)         | 0.5                        | ——    |
|   | 纤芯直径<br>(Core diameter)              | 735±60                     | μm    |
|   | 包层直径<br>(Cladding diameter)          | 750±60                     | μm    |
|   | 纤芯数量<br>(Number of cores)            | 25                         | cores |
| 护<br>套<br><br>Jacket                            | 材料<br>(Material)                     | 聚氯乙烯(Polyvinyl chloride)   | ——    |
|   | 直径<br>(Diameter)                     | 6.5±0.3                    | mm    |
|   | 颜色<br>(Colour)                       | 黑色(Black)                  | ——    |
|   | 阻燃等级<br>(Flame retardant grade)      | ——                         | ——    |
| 产品标准 (Product standard)                         | ROHS,REACH,SGS, (YD/T 1447-2013)     | ——                         |       |



4. 产品结构示意图(Product structure diagram):



# TX-FL0750-25/6.5 Structure diagram

5. 产品性能(Product performance):

| 项目(Item)                       |                      | 试验条件<br>(Test conditions) | 检验结果<br>(Inspection results) |
|--------------------------------|----------------------|---------------------------|------------------------------|
| 光学性能<br>Optical<br>performance | 衰减<br>(Attenuation ) | @650nm                    | $\leq 300\text{dB/km}$       |

\*以上所有的测试，均在 25℃温度下进行，除非另有说明。

All the above tests are carried out at 25 °C unless otherwise specified.

\*工作温度：-55~+70℃

Operation temperature : -55~ +70℃

\*安装温度：-10~+70℃

Installation temperature: -10~ +70℃

\*推荐存储温度：-55~+70℃

Recommended storage temperature: -55~ +70℃

\*应用领域: 照明

Application: Light