# **江苏有线跳线、适配器、防水尾缆产品检测方案**

### 1 检测依据和判定标准

检测依据：《江苏有线跳线、适配器、防水尾缆集中采购产品技术需求书》、YD/T 1272.3-2015《SC型光纤活动连接器》、YD/T 1272.4-2018《FC型光纤活动连接器》及相关国家标准要求。

判定标准：A代表关键指标项，B代表非关键指标项，检测结果中出现A类指标不合格或出现2个及以上B类指标不合格即判定该产品检测不合格。

### 2 检测对象

### 2.1跳线

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **产品规格** | **数量** | **备注** |
| 1 | SC/UPC-SC/UPC | 长度1.5米，各10根 | 跳线为单芯跳线，光缆为2.0缆。 |
| 2 | SC/APC-SC/APC | 长度1.5米，各10根 |
| 3 | FC/APC-FC/APC | 长度1.5米，各10根 |
| 4 | LC/UPC-LC/UPC | 长度1.5米，各10根 |

### 2.2适配器

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **产品规格** | **数量** | **备注** |
| 1 | SC/UPC | 10只 | 适配器为单芯。 |
| 2 | SC/APC | 10只 |
| 3 | FC/APC | 10只 |
| 4 | LC/UPC | 10只 |

### 2.3防水尾缆

|  |  |  |  |
| --- | --- | --- | --- |
| **序号** | **产品规格** | **数量** | **备注** |
| 1 | SC/UPC | 4根 | 防水尾缆附带防水接头，规格：直径11.8mm，光缆长度9米，扇出光纤长度1米。 |
| 2 | FC/APC | 4根 |

### 3 检测内容

### 3.1跳线

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **检验检测项目** | | **单位** | **技术要求** | **指标类别** |
| 1 | 外观质量 | | — | （1）样品与设计、制造和标准相一致，加工质量符合要求； （2）外观平滑、洁净、无油污及毛刺，无伤痕和裂纹，颜色鲜明、一致性好；各零部件组合平整，插头与适配器的插入和拔出平顺、轻松、卡子有力、开关正常。 | B |
| 2 | 插入损耗 | | dB | SC/UPC-SC/UPC: ≤0.2 | A |
| dB | SC/APC-SC/APC: ≤0.3 | A |
| dB | LC/UPC-LC/UPC: ≤0.2 | A |
| dB | FC/APC-FC/APC: ≤0.3 | A |
| 3 | 回波损耗 | | dB | SC/UPC-SC/UPC: ≥50 | A |
| dB | SC/APC-SC/APC: ≥60 | A |
| dB | LC/UPC-LC/UPC: ≥50 | A |
| dB | FC/APC-FC/APC: ≥60 | A |
| 4 | 互换性 | IL | dB | SC/UPC-SC/UPC: ≤0.4 | A |
| dB | SC/APC-SC/APC: ≤0.5 | A |
| dB | LC/UPC-LC/UPC: ≤0.4 | A |
| dB | FC/APC-FC/APC: ≤0.5 | A |
| RL | dB | SC/UPC-SC/UPC: ≥48 | A |
| dB | SC/APC-SC/APC: ≥58 | A |
| dB | LC/UPC-LC/UPC: ≥48 | A |
| dB | FC/APC-FC/APC≥58 | A |
| 5 | 机械耐久性 | 外观 | — | 无机械损伤 | B |
| IL | dB | SC/UPC-SC/UPC: ≤0.4 | A |
| dB | SC/APC-SC/APC: ≤0.5 | A |
| dB | LC/UPC-LC/UPC: ≤0.4 | A |
| dB | FC/APC-FC/APC: ≤0.5 | A |
| 附加损耗 | dB | SC/UPC-SC/UPC: ≤0.2 | A |
| dB | SC/APC-SC/APC: ≤0.2 | A |
| dB | LC/UPC-LC/UPC: ≤0.2 | A |
| dB | FC/APC-FC/APC: ≤0.2 | A |
| RL | dB | SC/UPC-SC/UPC: ≥48 | A |
| dB | SC/APC-SC/APC: ≥58 | A |
| dB | LC/UPC-LC/UPC: ≥48 | A |
| dB | FC/APC-FC/APC: ≥58 | A |
| 回损  变化量 | dB | SC/UPC-SC/UPC: ≤5 | A |
| dB | SC/APC-SC/APC: ≤5 | A |
| dB | LC/UPC-LC/UPC: ≤5 | A |
| dB | FC/APC-FC/APC: ≤5 | A |
| 6 | 抗拉试验 | 外观 | — | 无机械损伤 | B |
| IL | dB | SC/UPC-SC/UPC: ≤0.4 | A |
| dB | SC/APC-SC/APC: ≤0.5 | A |
| dB | LC/UPC-LC/UPC: ≤0.4 | A |
| dB | FC/APC-FC/APC: ≤0.5 | A |
| 附加损耗 | dB | SC/UPC-SC/UPC: ≤0.1 | A |
| dB | SC/APC-SC/APC: ≤0.1 | A |
| dB | LC/UPC-LC/UPC: ≤0.1 | A |
| dB | FC/APC-FC/APC: ≤0.1 | A |
| RL | dB | SC/UPC-SC/UPC: ≥48 | A |
| dB | SC/APC-SC/APC: ≥58 | A |
| dB | LC/UPC-LC/UPC: ≥48 | A |
| dB | FC/APC-FC/APC: ≥58 | A |
| 回损  变化量 | dB | SC/UPC-SC/UPC: ≤5 | A |
| dB | SC/APC-SC/APC: ≤5 | A |
| dB | LC/UPC-LC/UPC: ≤5 | A |
| dB | FC/APC-FC/APC: ≤5 | A |

### 3.2适配器

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| **序号** | **检验检测项目** | | **单位** | **技术要求** | **指标**  **类别** |
| 1 | 外观质量 | | — | 外观平滑、洁净、无油污及毛刺，无伤痕和裂纹，颜色鲜明、一致性好 | B |
| 2 | 插入损耗 | | dB | ＜0.20 | A |
| 3 | 互换性 | IL | dB | ≤0.20 | A |
| 4 | 重复性 | 外观 | — | 无机械损伤 | B |
| 5 | 插损  变化量 | dB | ≤0.20 | A |
| 6 | 机械耐久性 | 外观 | — | 无机械损伤 | B |
| 7 | 插损  变化量 | dB | ≤0.20 | A |

### 3.3防水尾缆

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| --- | --- | --- | --- | --- |
| **序号** | **检验检测项目** | **单位** | **技术要求** | **指标类别** |
| 1 | 防水试验 | — | 水深300mm，浸泡4h后观察接口处无滴水现象 | A |
| 2 | 插入损耗 | dB | SC/UPC：≤0.2 | A |
| dB | FC/APC：≤0.3 | A |
| 3 | 回波损耗 | dB | SC/UPC：≥50 | A |
| dB | FC/APC：≥60 | A |