

单芯光缆 Simplex Cable

在光纤外部直接挤制一层缓冲材料至指定尺寸；缓冲光纤外水平放置几根非金属加强元件；外护套保护其内部结构。

The simplex cable uses a single $\Phi 600\mu\text{m}$ or $\Phi 900\mu\text{m}$ tight buffered fibre as optical communication medium. The tight buffered fibre wrapped with a layer of aramid yarn as strength member, and the cable is completed with an outer sheath.



敷设方式 Installation

室内、管内、设备内部 Indoor, Tube inside, Equipment Interior

产品特点 Characteristics

1. 柔软性好 Excellent flexibility
2. 具有很好的机械性能 Excellent mechanical performance
3. 温度特性稳定 Excellent temperature performance
4. 良好的阻燃性能，不同阻燃等级护套可选 Excellent flame-retardant performance and free to choose different flame-retardant grades sheath
5. 护套收缩率低 Limited shrinkage
6. 不同的光纤类型可选 Different fibre types available
7. 特殊尺寸可定制 Special dimension available on request

应用范围 Applications

光纤活动连接尾纤或跳线 For direct connector assembly
 仪器、通信设备内部互联 Interconnect between instruments, communication equipments
 直接用于器件的组件 Directly used on the device's components

产品标准 Standards

YD/T 1285.2 / IEC 60794-2-50

温度范围 Temperature Range

存储温度 Transportation	安装温度 Installation	运行温度 In use
$-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$	$-5^{\circ}\text{C} \sim +45^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

规格 Spec	外径 Outer diameter	重量 Mass	最小弯曲半径 Minimum bend radius	允许拉伸力 Tensile strength	允许压扁力 Crush resistance
				短期 short term	
	mm	kg/km	mm	N	N/10cm
Sim 1.2	1.2	1.5	30	50	500
Sim 1.6	1.6	2.2	30	60	500
Sim 1.8	1.8	3.1	30	60	500
Sim 2.0	2.0	3.8	30	60	500
Sim 2.4	2.4	5.0	30	60	500
Sim 2.8	2.8	6.3	30	60	500

注：以上参数是基于LSZH的缓冲层和外护套，仅供参考。

Remark: The above parameters are based on the LSZH buffer and sheath, and just for reference.