

## 光纜

- 適用領域及範圍：室內外管道、機房內主幹佈放、跨廠區連接使用、廠區建築內水平佈放。
- 規範：通過國際安規認證

### 光纜特性

類別	單模 OS2	多模 .OM2(1G)/OM3(10G)	多模 .OM1
纖核內徑 Core Diameter	9.0 ± 0.4um	50.0 ± 2.5um	62.5 ± 2.5um
纖殼內徑 Clad Diameter	125 ± 0.7um	125 ± 1um	125 ± 1um
保護層內徑 Coating Diameter	240 ± 5um	240 ± 10um	240 ± 10um
光損失 Attenuation	@1310nm ≤ 0.4 dB/km	@850nm ≤ 3.5 dB/km	@850nm ≤ 3.0 dB/km
1550 nm 之光損失 Attenuation 1550 nm	@1550nm ≤ 0.3 dB/km	@1300nm ≤ 1.0 dB/km	@1300nm ≤ 0.8 dB/km

### 產品環境條件

Storage/Shipping LSOH/PE	Installation LSOH/PE	Operation LSOH/PE
-20/40°C to +75/85°C	-10°C to +60°C	-20/40°C to +75/85°C

### 產品可靠性數據

Items	Values
Tensile strength(TIA/EIA-455-33A)	SM ≤ 0.2 dB MM ≤ 0.3 dB
Crush test(TIA/EIA-455-41A)	SM ≤ 0.2 dB MM ≤ 0.3 dB
Repeated bending(TIA/EIA-455-104A)	SM ≤ 0.2 dB MM ≤ 0.3 dB
Impact Test(TIA/EIA-455-25B)	SM ≤ 0.2 dB MM ≤ 0.3 dB
Torsion Test(TIA/EIA-455-85A)	SM ≤ 0.2 dB MM ≤ 0.3 dB

### 光纖芯色表 (中華電信色碼可依需求訂購)

Code	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

### 多束管色表

Code	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

## 皮線光纜 (耐拉光纜)

- 適用於室外交入室內通信終端應用，100M 內短距離使用
- 芯數為 2/4 芯，構造內含 FRP 及鋼線加強體
- 外被覆材料為耐燃 PE / LSOH
- 小線徑適合於水平及末端多彎曲及曲折處安裝使用

Fiber Core Count	2	4
FRP Strength Members	0.4mm Tensile Strength 140 Kg/mm <sup>2</sup>	
Self Support Wire	Zinc Steel 1.2mm Tensile Strength 125 Kg/ mm <sup>2</sup>	
Jacket Material/FlameRetardant	FRPE / IEEE 383 FRPVE / OFNR FRLSPVE / OFNP LSZH / IEC 60332-1-2 LSFRZH / IEC 60332-3-24	
Jacket Color	Black	
Cable Diameter	5.3 x 2.0 mm / 3.1 x 2.0 mm	
Cable Weight (Kg/Km)	19.4	19.4 / 7.8
Tensile Loading (Short Term)	600 N	
Tensile Loading (Long Term)	200 N	
Crush Load (Short Term)	2000N/100mm	
Crush Load (Long Term)	1000N/100mm	
Bend Radius (Short Term)	10 Times of Cable Diameter	
Bend Radius (Long Term)	10 Times of Cable Diameter	