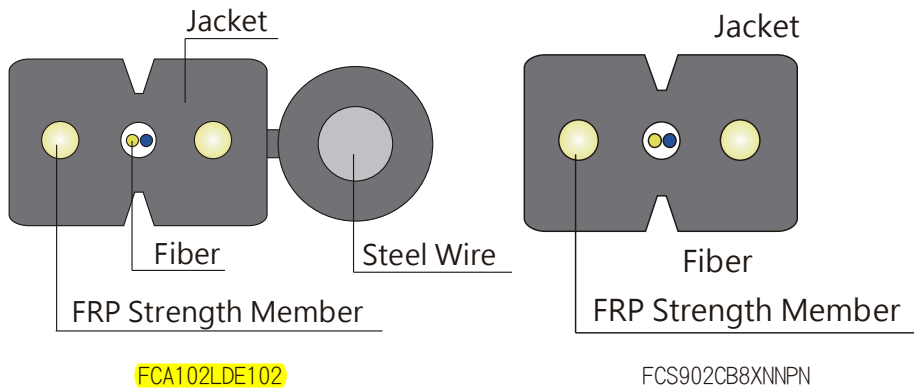


# FTTH Fiber Optical System Solutions

## 光纖到戶用自持扁平光纜(Drop Cable)



# WONDERFUL



### ◆ 運用範圍

- 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

### ◆ 符合規範

- ANSI/TIA-568-C.3
- ITU-T G.652.D / ITU-T G.657.A1, A2
- ITU-T G.651.OM2, OM3, OM4
- IEC60332-1 IEC60332-3IEEE 383
- IEC 60793 IEC 60794
- ANSI/TIA/EIA 492AAA/492AAB
- CNS14301, EL3600-6規範
- Telcordia GR-20-CORE
- RoHS compliant (2011/65/EU)

- 適用於室外接入室內通信終端應用
- 光纖芯數為 1/ 2/ 4 芯，光纜構造內含 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 Geometric Characteristics

Type	ITU-T G.652.D / G.657.A1 / G.657.A2	ITU-T G.651.OM2 / OM3 / OM4
Core Diameter	9.0 ± 0.4 μm	50.0 ± 2.5 μm
Clad Diameter	125 ± 0.7 μm	125 ± 1 μm
Coating Diameter	240 ± 5 μm	245 ± 10 μm
Attenuation	@1310 nm ≤ 0.4 dB/km	@850 nm ≤ 3.5dB/km
Attenuation 1550 nm	@1550 nm ≤ 0.3 dB/km	@1300 nm ≤ 1.0 dB/km

### Product Environmental Condition

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

### Product Construction

Fiber Core Count	1	2	4
FRP Strength Members	0.4 mm Tensile Strength 140 Kg/mm <sup>2</sup>		
Self Support Wire	Zinc Steel 1.2 mm Tensile Strength 125 Kg/mm <sup>2</sup>		
Jacket Material / FlameRetardant	FRPE / IEEE 383 FRPVC / OFNR FRLSPVC / OFNP LSZH / IEC 60332-1-2 LSFRZH / IEC 60332-3-24		
Jacket Color	Black		
Cable Diameter	5.3 × 2.0 mm / 3.1 × 2.0mm		
Cable Weight (Kg/Km)	19.4	19.4 / 7.8	
Tensile Loading (ShortTerm)	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		

### Product Reliability Characteristics

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

### Package

Condition	Dimension	Length
Plywood Reel	495x330x200 mm	500/1000 m

本產品型錄規格如有爭議以本公司解釋為主並保留變更修改之權利

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◆ WONDERFUL HI-TECH CO., LTD.  
<http://www.wontex.com>

◆ WONDERFUL WIRE & CABLE CO., LTD (VIETNAM)  
<http://www.wvt-wonderful.com/>

◆ SHANGHAI ELITECH TECHNOLOGY CO., LTD.  
<http://www.wontex.com.cn>

◆ WANSHIH ELECTRONIC CO.,LTD  
<http://www.wanshih.com.tw>

◆ WONDERFUL CABLING SYSTEMS  
<http://www.wondernet.com.tw>

◆ ABA INDUSTRY INC.(U.S.A)  
<http://www.aba-cable.com>

◆ THAI WONDERFUL WIRE CABLE CO., LTD.  
(THAILAND)  
<http://www.thaiwonderful.com>

◆ WONDERFUL PHOTOELECTRICITY  
(DONG GUAN) CO., LTD.  
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