

# 戶外型充膠式金屬光纜 4~12C



## WONDERFUL

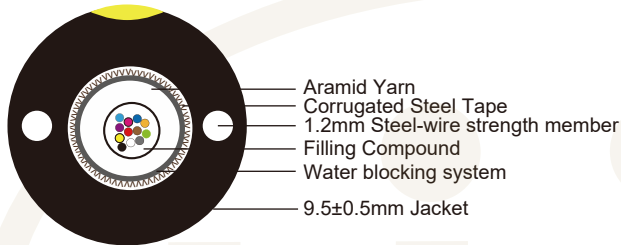
- 採用充膠石油膏填充於束管內具有防水功能
- 束管外層放置指水帶及凱芙拉具防水抗張功能
- 光纜外被覆兩側置放1.2mm金屬支撐條
- 光纜內部為波紋鋼帶被覆及以支撐光纜重量與壓力，並加強其抗壓力與安全之彎曲弧角，並具有防啮齒動物咬(防鼠咬功能)
- 通過24小時防水測試合格
- 外被覆依據光纜規格注入顏色注條區分用途及功能
- 充膠式設計適合於戶外及長距離施工安裝
- 小線徑設計4~12C/9.5mm易於通過建築物內外管道及豎井

### ◆ 運用範圍

- 室內外管道
- 跨廠區連接使用
- 廠區建築內水平佈放

### ◆ 符合規範

- ANSI/TIA-568.3-E
- 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)



Jacket: PE/LSOH(料號依規格書為準)

### 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       | G.652D : 9.2±0.4 um / G.657: 8.6±0.4 um    | 50.0 ± 2.5 um               |
| Clad Diameter       | G.652D : 125 ± 1 um / G.657 : 125 ± 0.7 um | 125 ± 1 um                  |
| Coating Diameter    | 245 ± 10 um                                | 245 ± 10 um                 |
| Attenuation         | @1310 nm ≤ 0.4 dB/km                       | @850 nm ≤ 3.5 dB/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                         | 4C / 12C                            |
| PBT Tube Diameter                        | 2.4 ± 0.3mm                         |
| PBT Tube Count                           | 4C / 12C / 1 Tube                   |
| Dielectric Aramid Strength Members       | 6 Clusters of Kevlar 1610dtx        |
| Water Block Systems                      | Water Block Tape                    |
| PE/FRP Strength Members                  | 1.2mm Steel wire X2                 |
| Jacket Diameter                          | 9.5± 0.5mm                          |
| Jacket Color                             | Black with Yellow/Orange/Aqua Strip |
| Tensile Loading (Short Term / Long Term) | 2700 N / 900N                       |
| Crush Load (Short Term / Long Term)      | 1000 N/ 300 N(100mm)                |
| Bend Radius (Short Term / Long Term)     | 20 / 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 | 1000×500×630×750 mm | 3000 m |

Fiber Color Code (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 |

19F  
05

2020.10V

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

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

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

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

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

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

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

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

◆ WONDERFUL PHOTOELECTRICITY  
(DONG GUAN) CO., LTD.  
<http://www.wonderful-wire.com.cn>