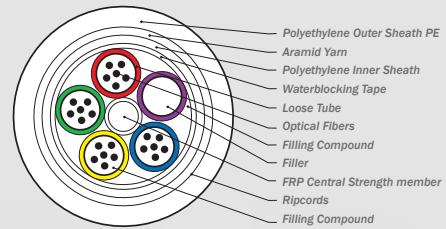


## 全介質自持式架空光纖 6 or 12 Fibers All Dielectric Self-Supported Cable(ADSS)



- 束管為光纖提供最基本的保護層數。
- 各束管包括 6 芯或 12 芯光纖在內，用充膠物填充以預防水進入。
- 束管絞合在一個中心抗張體周圍使纜線具有抗張力的特性。
- 光纖內含芳香族聚醯胺纖維做為抗張體，使得光纖能承受施工時的拉引張力。
- ADSS 光纖纜與一般架空光纖不同，它加大量芳香族聚醯胺纖維，增加自承力量。
- 依顧客需求外加耐燃、防火、抗紫外線及防鼠咬材質。
- Loose tube provides one of the most basic protecting layers for the fibers.
- Each loose tube comprises of 6 or 12 optical fibers with filled jelly compound for prevention of water ingress.
- The loose tubes are stranded around a central strength member giving more mechanical strength to the cable.
- Aramid yarns contribute to better mechanical strength without losing the cables' flexibility.
- Extra Aramid Yarns adds further tension strength to self-support the aerial cable.
- Fire-retardant or fire resistance, UV resistances, anti-rodent features can be designed as according to applications.
- TCC 6 or 12-Fiber Loose Tube ADSS Optical Cable offers up to a maximum of 96 fibers applicable for aerial purposes.



### Specifications

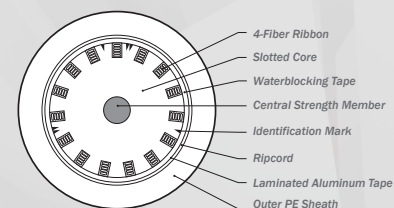
#### Loose-Tube ADSS Optical Fiber Cable

|                          |                            |     |     |         |                   |             |             |             |             |
|--------------------------|----------------------------|-----|-----|---------|-------------------|-------------|-------------|-------------|-------------|
| Application:             | Aerial Lightning Resistant |     |     |         | Max. Tensile Load | 4500N       | 4500N       | 4500N       | 4500N       |
| Central Strength Member: | FRP                        |     |     |         | Min. Bend Radius  | Loaded(mm)  | 270         | 280         | 300         |
| Fiber Count              | 6 ~ 24                     | 36  | 48  | 72 ~ 96 | Unloaded(mm)      | 135         | 140         | 150         | 180         |
| Outside Diameter(mm)     | 13.5                       | 14  | 15  | 18      | Temperature Range | Operation   | -40 ~ +70°C | -40 ~ +70°C | -40 ~ +70°C |
| Unit Weight (kg/km)      | 150                        | 160 | 180 | 220     | Storage           | -40 ~ +70°C | -40 ~ +70°C | -40 ~ +70°C | -40 ~ +70°C |
| Total No. of Loose Tube  | 5                          | 6   | 8   | 8       | Installation      | -30 ~ +60°C | -30 ~ +60°C | -30 ~ +60°C | -30 ~ +60°C |
| Max. No. Fibers per Tube | 6 or 12                    | 6   | 12  | 12      |                   |             |             |             |             |

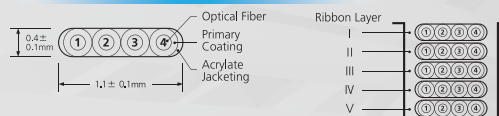
## 光纖帶溝槽體光纖 Slotted-Core Ribbon Type Optical Cable



- 光纖帶溝槽光纖將光纖層置入構槽體之溝槽內，溝槽體中有中心抗張體以增加強度，並有止水不織布包溝槽體周圍做為防水用。
- 這個設計以同樣的芯束來做比較，完成外徑相較於束管光纖小，因體積是施工時的重要因素，故對於管道施工上能提供較大的空間運用。
- 光纖帶溝槽光纖提供 300 芯或更多芯數光纖。
- Ribbon fibers are stacked within the slots of the spiral cord, surrounding a central strength member. The core is wrapped by a water blocking tape for water proofing.
- This design contributes a much smaller cable outer diameter as compare to the loose tube design, Slotted Core Ribbon Type Optical Cables provide the smallest outer diameter contributing space and offer more ease of intallation in buried ducts.
- TCC Slotted-Core Ribbon Type Optical Cables offers up to 300 fibers or more.



### Construction & Characteristics



### 4-Ribbon Identification

| Ribbon No. | Color Identification |       |       |      |
|------------|----------------------|-------|-------|------|
|            | Fiber No             | 1     | 2     | 3    |
| I          | Blue                 | White | White | Pink |
| II         | Yellow               | White | White | Pink |
| III        | Green                | White | White | Pink |
| IV         | Red                  | White | White | Pink |
| V          | Violet               | White | White | Pink |

### Specifications

#### Slotted-Core Ribbon Type Optical Fiber Cable

|                          |                           |     |      |  |                   |             |             |             |
|--------------------------|---------------------------|-----|------|--|-------------------|-------------|-------------|-------------|
| Application:             | Subscriber Loop           |     |      |  | Max. Tensile Load | 2000N       | 2000N       | 2000N       |
| Central Strength Member: | Ribbon-Fiber Slotted Core |     |      |  | Min. Bend Radius  | Loaded(mm)  | 290         | 380         |
| Fiber Count              | 4 ~ 100                   | 200 | 300  |  | Unloaded(mm)      | 145         | 190         | 225         |
| Outside Diameter(mm)     | 14.5                      | 19  | 22.5 |  | Temperature Range | Operation   | -40 ~ +70°C | -40 ~ +70°C |
| Unit Weight (kg/km)      | 170                       | 260 | 290  |  | Storage           | -40 ~ +70°C | -40 ~ +70°C | -40 ~ +70°C |
| Total No. of Loose Tube  | 5                         | 10  | 15   |  | Installation      | -30 ~ +60°C | -30 ~ +60°C | -30 ~ +60°C |
| Max. No. Fibers per Tube | 4                         | 4   | 4    |  |                   |             |             |             |