

# LadonX™ Figure 8 Semi-Dry Aerial Cable

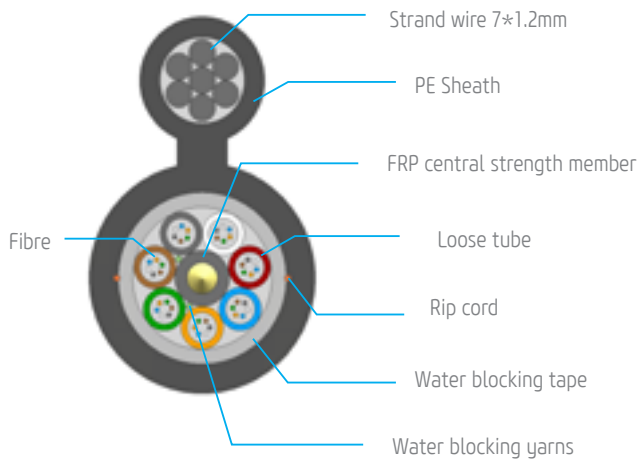
## 108-144 Core Loose Tube, Gel-Free Non-Armoured Cable



Hermesys LadonX™ Figure-8 outdoor aerial self-supporting cables are used for campus or long haul overhead installation.

The Figure-8 cable design provides easy and economical one-step installation.

The Semi-Dry design is fully water-blocked by using water swellable materials which keep cable dry and no need to clean up during the installation.



**Cross section of part number:**  
< Not to scale >

### Features and Benefits

The non metallic FRP central strength member is lighter and more flexible. No rust problem in the whole cable life.

Galvanized steel wire 7\*1.2mm as self supporting member providing excellent strain performance and easy installation.

Semi-Dry design, the water blocking yarns plus water blocking tape to ensure water blocking performance.

The black PE jacket is suitable for outdoor use with high performance UV resistance.

### Standards

| Reference |                   |
|-----------|-------------------|
|           | IEC 60794-1-2-E1  |
|           | IEC 60794-1-2-E3  |
|           | IEC 60794-1-2-F1  |
|           | IEC 60794-1-2-F5B |
|           | IEC/EN 60794-3-10 |

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### Specifications

#### GENERAL SPECIFICATIONS

|                |                       |
|----------------|-----------------------|
| Environment    | Outdoor               |
| Application    | Self-support, Aerial  |
| Cable Type     | Multi loose tube      |
| Product Type   | Telecom outside plant |
| Flame Rating   | N/A                   |
| Fibre Category | Full range of fibre   |
| Drum Length    | 4000m                 |

#### TEMPERATURE RANGE

|              |               |
|--------------|---------------|
| Storage      | -40°C to 70°C |
| Operation    | -40°C to 70°C |
| Installation | -10°C to 60°C |

#### CABLE DESIGN

|                           |  |
|---------------------------|--|
| Fibre Count               | 108-144                                    |
| Fibre Color               | EIA/TIA 598 standard                       |
| Tensile Strength Elements | FRP non metallic strength member           |
| Water Blocking            | Water blocking yarns + Water blocking tape |
| Number of Loose Tube      | 12 (max 12 fibres per tube)                |
| Outer Jacket Material     | High density polyethylene                  |
| Outer Jacket Color        | Black                                      |

#### MECHANICAL CHARACTERISTICS CABLE

|                                   |               |
|-----------------------------------|---------------|
| Max. Tensile Strength. Short-Term | 2000 N        |
| Max. Tensile Strength, Long-Term  | 1000 N        |
| Crush Resistance, Short-Term      | 2500 N/100mm  |
| Crush Resistance, Long-Term       | 1000 N/100mm  |
| Nominal Outer Diameter (mm)       | 15.4 * 26.3mm |
| Nominal Weight (kg/km)            | 350           |
| Min. Bend Radius Installation     | 20 * diameter |
| Min. Bend Radius Operation        | 10 * diameter |

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### CHEMICAL CHARACTERISTICS

|             |  |
|-------------|--|
| <b>ROHS</b> | Free of hazardous substances according to RoHS<br>2002/95/EG |
|-------------|--|

### Fibre Specifications

Refer the Hermesys fibre specification as per order

### Ordering information

|                       |   |
|-----------------------|---|
| <b>Part Number</b>    | 20XYYY02184   |
| <b>Sheath Marking</b> | Hermesys LadonX Fig 8 Semi-Dry Aerial Non-Armoured<br>PE Cable 20XYYY02184 <Fibre Type> <XXXcore> WWYYYY<br>XXXXM |

*Notes:*

- 1) X = type of fibre (0/G652D, 1/OM1, 2/OM2, 3/OM3, 4/OM4, 5/G655, 6/G657A1, 7/G657A2, 8/G657B1, 9/G657B2, M5/OM5)
- 2) YYY = Number of Core (1JH/108cores, 1BJ/120 cores, 1DD/144 cores)

### Shipping information

|                         |   |
|-------------------------|---|
| <b>Packaging Method</b> | Wooden drums with protection                                  |
| <b>Delivery Lengths</b> | Standard delivery length is 4km with a tolerance of $\pm 5\%$ |