

# LadonX™ Figure 8 Semi-Dry Aerial Cable

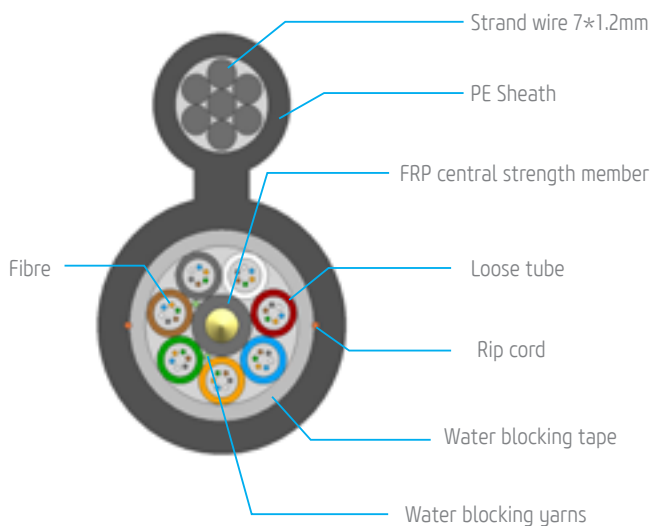
## 32-60 Core Loose Tube, Gel-Free Non-Armoured Cable



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	32-60
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	5 (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)	11 * 20.5mm
Nominal Weight (kg/km)	210
Min. Bend Radius Installation	20 * diameter
Min. Bend Radius Operation	10 * diameter

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### CHEMICAL CHARACTERISTICS

**ROHS**

Free of hazardous substances according to RoHS  
2002/95/EG

### *Fibre Specifications*

Refer the Hermesys fibre specification as per order

### *Ordering information*

**Part Number**

20XYY02184

**Sheath Marking**

Hermesys LadonX Fig 8 Semi-Dry Aerial Non-Armoured  
PE Cable 20XYY02184 <Fibre Type> <XXXcore> WWYYYY  
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) YY = Number of Core (3B/32 cores, 4H/48 cores, 6J/60 cores)

### *Shipping information*

**Packaging Method**

Wooden drums with protection

**Delivery Lengths**

Standard delivery length is 4km with a tolerance of  $\pm 5\%$