

# LadonX™ Figure 8 Semi-Dry Aerial Cable

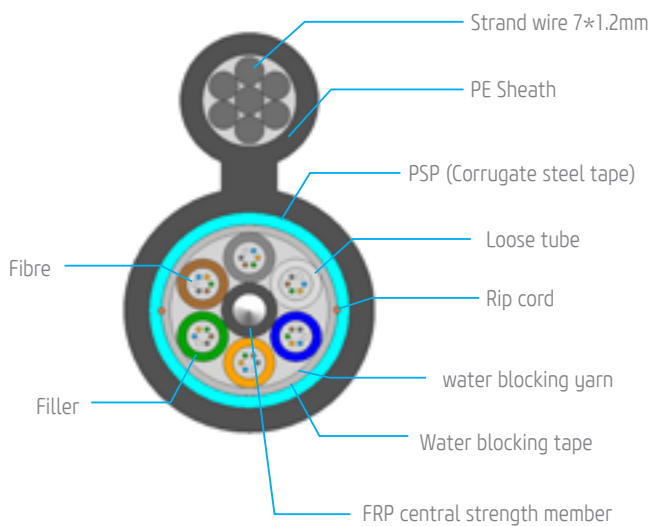
## 108-144 Core Loose Tube, Gel-Free Armoured Cable



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

The cable design provides easy and economical one-step installation. The corrugated steel tape armour construction which supports of fibre cables to withstand the tensile force for long haul.

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 corrugate steel tape (PSP) provides rodent proof and crush resistance.

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

### Standards

<b>Reference</b>	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
Armouring	Corrugate steel tape
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	3000 N
Max. Tensile Strength, Long-Term	1500 N
Crush Resistance, Short-Term	2700N/100mm
Crush Resistance, Long-Term	1000N/100mm
Nominal Outer Diameter (mm)	16.5 * 27 mm
Nominal Weight (kg/km)	380
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 2002/95/EG
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### *Fibre Specifications*

Refer the Hermesys fibre specification as per order

### *Ordering information*

<b>Part Number</b>	20XXXXY02180
<b>Sheath Marking</b>	Hermesys LadonX Fig 8 Semi-Dry Aerial Armoured PE Cable 20XXXXY02180 <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) YYY = Number of Core (1JH/108cores, 1BJ/120cores, 1DD/144cores)

### *Shipping information*

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