

LadonX™ Figure 8 Semi-Dry Aerial Cable

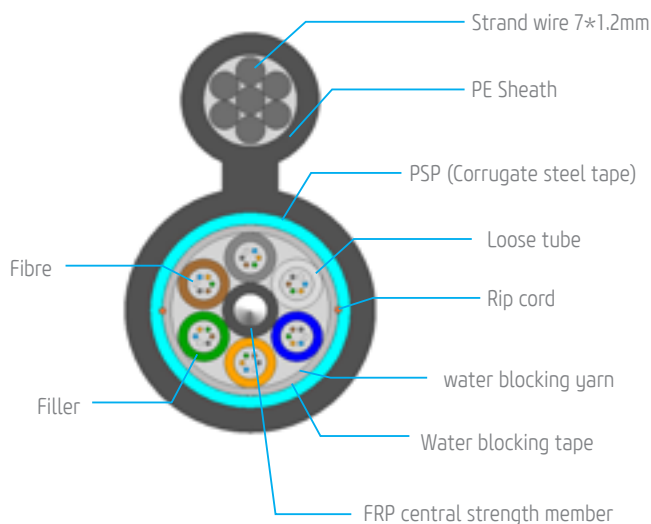
2-144 Core Loose Tube, Gel-Free Armoured Cable



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

Approval and Listings

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	2-144
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	* See below table
Outer Jacket Material	High density polyethylene
Outer Jacket Color	Black

Number of Cores	2 - 24	32 - 60	72	96	108-144
Number of Loose Tube	5	5	6	8	12
Max No. of Fibres per Tube	12	12	12	12	12

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MECHANICAL CHARACTERISTICS CABLE

Number of Cores	2 - 24	32 - 60	72	96	108-144
Max. Tensile Strength. Short-term	1500 N	3000 N	3000 N	3000 N	3000 N
Max. Tensile Strength. Long-term	500 N	1500 N	1500 N	1500 N	1500 N
Crush Resistance, Short-term	1000N	2700N	2700N	2700N	2700N
Crush Resistance, Long-term	300N	1000N	1000N	1000N	1000N
Nominal Outer Diameter (mm)	9.8 * 21.2mm	12 * 23.4mm	12 * 23.4mm	13.6 * 25mm	16.5 * 27mm
Nominal Weight (kg/km)	265	315	326	340	380
Min. Bend Radius Installation	20 * diameter				
Min. Bend Radius Operation	10 * diameter				

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	20XYYY02180
Sheath Marking	Hermesys LadonX Fig 8 Semi-Dry Aerial Armoured PE Cable 20XYYY02180 <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

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