

## LadonX™ FTTH Drop Cable

1/2/4 Core Self-Supporting Flat Fibre Optic Drop Cables



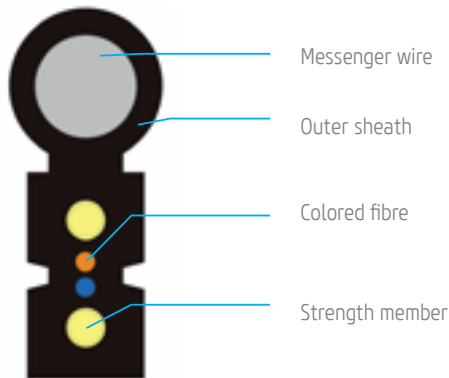
**Part number:**  
20XYY25144

Hermesys LadonX™ FTTH flat drop cable is well suited for usage in high speed broadband telecommunication applications.

Suitable for both indoor and outdoor installations.

Two parallel KFRP strength members offer superior crush resistance and protection to the fibre cores.

Light weight, compact design and excellent low bending attenuation makes it especially suited for complicated wiring within indoor environments.



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

### Features and Benefits

Available in G652D and G657A1/A2/B1/B2/B3.

The 2 parallel non-metallic KFRP strength member ensure good performance of crush resistance to protect the fibres.

Steel messenger wire for self-supporting and easy installation.

The black LSOH material ensure that the cable can meet the indoor and outdoor application.

Compact and light weight, low purchasing and construction cost.

### Standards

#### Comply

IEC 60794-1-2-E1, IEC 60794-1-2-E3  
IEC 60794-1-2-E4, IEC 60794-1-2-E6  
IEC 60794-1-2-E11, IEC 60794-1-2-F1

#### Flame Resistance

IEC 60332-1  
IEC 61034  
IEC 60754-1 & 2

# LadonX™ FTTH Drop Cable

*1/2/4 Core Self-Supporting Flat Fibre Optic Drop Cables*

## Specifications

### GENERAL SPECIFICATIONS

Environment	Indoor/Outdoor
Application	FTTH, interconnecting buildings
Cable Type	FTTX drop cable with UV resistant
Product Type	Telecom inside plant
Flame Rating	IEC 60332-1
Fibre Category	Full range of fibre
Drum Length	2000m

### TEMPERATURE RANGE

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

### CABLE DESIGN

Fibre Count	1/2/4
Fibre Color	EIA/TIA 598 standard
Tensile Strength Elements	KFRP non metallic strength member
Messenger Wire	1.2mm Steel wire
Outer Jacket Material	LSOH
Outer Jacket Color	Black

### MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength, Short-Term	600N
Max. Tensile Strength, Long-Term	300N
Crush Resistance, Short-Term	1000N/100mm
Crush Resistance, Long-Term	500N/100mm
Nominal Outer Diameter (mm)	2.0 * 5.2 mm
Nominal Weight (kg/km)	18.5 (1f), 19.0 (2f), 20.0 (4f)
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

20XYY25144

Sheath Marking

Hermesys LadonX Self-Support Drop Cable LSOH Jacket

20XYY25144 <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)

2) YY = Number of Core (2/2cores, 4/4 cores)

## Shipping information

Packaging Method

Wooden drums with protection

Delivery Lengths

Standard delivery length is 2km with a tolerance of  $\pm 5\%$