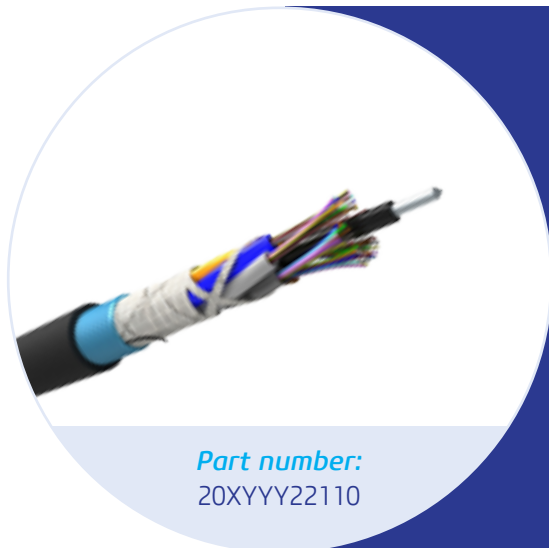


# LadonX™ Indoor/Outdoor Flexible Armoured Cable

## 2-144 Core Jelly-Free LSOH Fibre Optic Cable

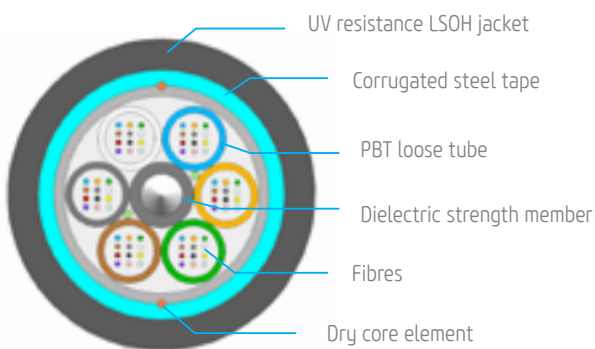


**Part number:**  
20XYYY22110

Hermesys LadonX™ series Indoor/outdoor light armoured cable is designed for usage in Telecom backbones, access line and Fibre to premises (FTTx) applications.

This cable can be used for indoor or outdoor underground duct installation or directed buried and overhead with necessary accessories.

LadonX™ Indoor/outdoor cable is available in Singlemode, Multimode (OM1~OM5).



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

### Features and Benefits

Light weight FRP non-metallic strength member provides higher cable flexibility and prevent future metal corrosions within the cable core.

Dry core design reduces the time required for cable preparation and eliminate the need for a tedious cleaning up.

Water blocking yarn acts as effective barrier for water penetration.

Corrugated steel tape armouring is a reliable rodent-proofing and offers high crush resistance.

The black LSOH jacket is suitable for both indoor and outdoor use with high performance UV resistance. AT-AR chemical additive is available for option.

### 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

#### Flame Resistance

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

# LadonX™ Indoor/Outdoor Flexible Armoured Cable

## 2-144 Core Jelly-Free LSOH Fibre Optic Cable

### Specifications

#### GENERAL SPECIFICATIONS

Environment	Indoor/Outdoor
Application	Lan backbone, Telecom exchange room, last mile application
Cable Type	Multi loose tube
Product Type	Fire sensitivity plant
Flame Rating	IEC 60332-1 & 2
Fibre Category	Full range of fibre
Drum Length	4,000m

#### TEMPERATURE RANGE

Storage	-40°C to 75°C
Operation	-40°C to 70°C
Installation	-20°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 - Layer 1	Corrugated steel tape
Number of Subunit	1-12 (max 12 fibres per tube)
Outer Jacket Material	LSOH
Outer Jacket Color	Black with UV stabilized

#### MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength. Short-Term	2700 N
Max. Tensile Strength, Long-Term	900 N
Nominal Outer Diameter (mm)	9.5(2-30f)/12(32-72f)/13.6(74-96f)/15.4(98-120f)/17.2 (122-144f)
Nominal Weight (kg/km)	100(2-30f)/155(32-72f)/192(74-96f)/222(98-120f)/270(122-144f)
Min. Bend Radius Installation	20 * Diameter
Min. Bend Radius Operation	10 * Diameter

# LadonX™ Indoor/Outdoor Flexible Armoured Cable

## 2-144 Core Jelly-Free LSOH Fibre Optic Cable

### CHEMICAL CHARACTERISTICS

**ROHS**

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

### *Fibre Specifications*

Refer the Hermesys Fibre specification as per order

*Remark :*

### *Ordering information*

**Part Number**

20XYYY22110

**Sheath Marking**

Hermesys LadonX Flexible Indoor/Outdoor Armoured Cable  
20XYYY22110 <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 (2/2cores, 1B/12 cores, 2D/24cores, 3B/32 cores, 4H/48 cores, 7B/72 cores, 9F/96 cores, 1DD/144 cores)

### *Shipping information*

**Packaging Method**

Wooden drums with protection

**Delivery Lengths**

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