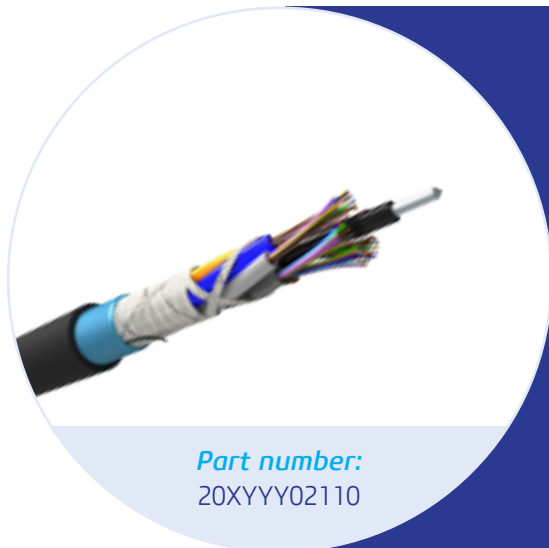


# LadonX™ Outdoor Flexible Armoured Cable

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



**Part number:**  
20XYYY02110

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

This cable is well suited for installation within underground duct, direct buried or overhead with aerial accessories.

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

### 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 cleanup.

Water blocking yarn acts as effective barrier for water penetration.

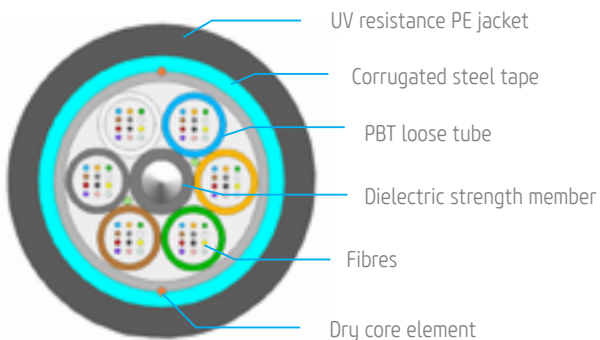
Corrugated steel tape armouring is a reliable rodent-proofing and offers high crush resistance.

PE outer sheath has excellent UV resistance and well suited for outdoor environment installation. Anti-Termite/Anti-Rodent additive to outer sheath optional.

### 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



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

# LadonX™ Outdoor Flexible Armoured Cable

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

### Specifications

#### GENERAL SPECIFICATIONS

Environment	Outdoor
Application	Long haul back bone, access line, FTTB
Cable Type	Multi loose tube
Product Type	Telecom outside plant
Flame Rating	N/A
Fibre Category	Full range of fibre
Drum Length	4,000m

#### TEMPERATURE RANGE

Storage	-40°C to 70°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	High density polyethylene
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™ Outdoor Flexible Armoured Cable

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

### 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

Remark :

### Ordering information

<b>Part Number</b>	20XXXXY02110
<b>Sheath Marking</b>	Hermesys LadonX Flexible Outdoor Armoured Cable 20XXXXY02110 <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

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