

# LadonX™ Indoor/Outdoor Light Armoured

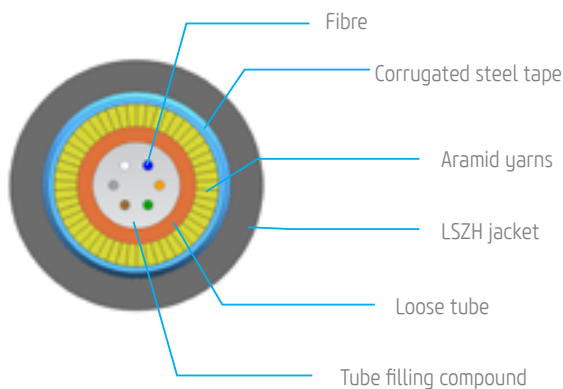
## 2-12 Core Uni-Tube LSOH Sheath Fibre Optic Cables



Hermesys LadonX™ Uni tube Indoor/Outdoor armoured cables designed for interbuilding and intrabuilding backbones applications and also suitable for the most demanding, harsh environments.

The cable has excellent tensile strength and crush resistance characteristics and is also rodent proof.

LadonX™ Uni-tube light armoured cable is available in Singlemode, Multimode (OM1 ~ OM5) and specifications are offered ranging from two up to twelve fibres configurations.



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

### Features and Benefits

Thermoplastic material uni-tube containing up to 12 fibres and filled with suitable water tightness compound.

Aramid yarns strength elements for increasing the cable tensile strength and stability.

The corrugate steel tape provides an excellent rodent protection.

The black LSOH jacket is suitable for both indoor and outdoor application. 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 60332-3-24  
IEC 61034  
IEC 60754-1 & 2

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### Specifications

#### GENERAL SPECIFICATIONS

|                |   |
|----------------|---|
| Environment    | Indoor and Outdoor                      |
| Application    | Broadband network, Campus site cabling, |
| Cable Type     | Uni Tube                                |
| Product Type   | Last mile application, Interbuilding    |
| Flame Rating   | IEC 60332-3-24                          |
| 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 | -10°C to 60°C |

#### CABLE DESIGN

|                           |                       |
|---------------------------|-----------------------|
| Fibre Count               | 2, 4, 6, 8, 12        |
| Fibre Color               | EIA/TIA 598 standard  |
| Tensile Strength Elements | Aramid yarns          |
| Armouring                 | Corrugated steel tape |
| Number of Loose Tube      | 1                     |
| Outer Jacket Material     | LSOH                  |
| Outer Jacket Color        | Black                 |

#### MECHANICAL CHARACTERISTICS CABLE

|                                   |               |
|-----------------------------------|---------------|
| Max. Tensile Strength, Short-Term | 1200 N        |
| Max. Tensile Strength, Long-Term  | 800 N         |
| Crush Resistance, Short-Term      | 1500N/100mm   |
| Crush Resistance, Long-Term       | 800N/100mm    |
| Nominal Outer Diameter (mm)       | 8.3 ± 0.5     |
| Nominal Weight (kg/km)            | 92            |
| 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**

20XYY20200

**Sheath Marking**

Hermesys LadonX Uni-Tube Indoor/Outdoor Armoured  
LSOH Cable 20XYY20200 <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) YY = Number of Core (2/2cores, 4/4cores, 6/6cores, 8/8cores, 1B/12cores)

### *Shipping information*

**Packaging Method**

Wooden drums with protection

**Delivery Lengths**

Standard delivery length is 4km with a tolerance of ± 5%