

LadonX™ Double Jacket Direct Buried Cable

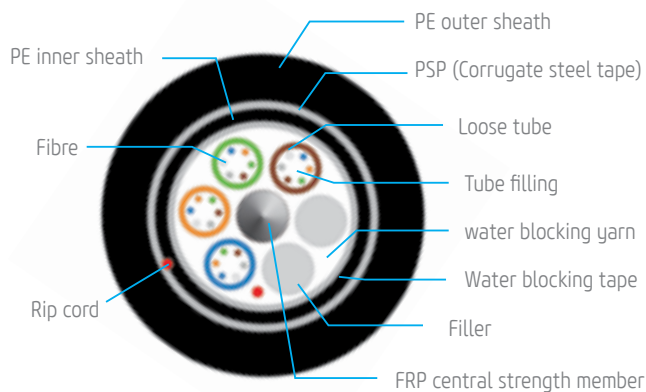
12 -144 Core AT-AR Single Armoured Moisture-proof Enhanced Cable



Part number:
210YYY0(0)4110

Hermesys LadonX™ double jacket direct buried cable can be placed underground without conduit. The cable is designed to withstand the rigors of being buried in the dirt. It is a more rugged cable, armoured to prevent harm from rodent chewing or the pressures of dirt and rocks in which it is buried.

The double jacket, semi dry design provides stability performance over a wide temperature range and is compatible with full range of optical Fibre.



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.

Loose tube are SZ stranded and filled with waterproof compound. Glass yarns are as an optional reinforcement member.

Aluminum tape is used in and over the cable core to prevent from moisture ingress.

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

Reference	
	IEC 60794-1-1
	IEC 60794-1-2
	IEC 60794-3
	IEC 60794-3-10
	IEC 60794-3-11

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Specifications

GENERAL SPECIFICATIONS

Environment	Outdoor
Application	Direct buried
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 70°C

CABLE DESIGN

Fibre Count	12/24/48/72/96/144
Fibre Color	EIA/TIA 598 standard
Tensile Strength Elements	FRP non metallic strength member
Anti Rodent Element	N/A
Moisture proof element	Aluminum Tape
Armouring	Corrugate steel tape
Water Blocking	Waterproof compound
Number of Loose Tube	12 Max. (max:12 fibres per tube)
Inner Jacket Material & Color	PE Black
Outer Jacket Material & Color	PE Black

MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength. Short-Term	2700 N
Max. Tensile Strength, Long-Term	1500 N
Crush Resistance, Short-Term	2000N/100mm
Crush Resistance, Long-Term	1000N/100mm

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Nominal Outer Diameter (mm)	14mm/14mm/15.4mm/15.4mm/16.0mm/19.1mm
Nominal Weight (kg/km)	240kgs/240kgs/245kgs/245kgs/285kgs/335kgs
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
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Fibre Specifications

Refer the Hermesys fibre specification as per order

Ordering information

Part Number	210YYY0(0)4110
Sheath Marking	Hermesys LadonX Double PE Jacket Direct Buried Cable 210YYY0(0)4110 <Fibre Type> <XXXcore> WWYYYY XXXXM

Notes:

1)YYY = Number of Core (4H/48cores, 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 ± 5%