

LadonX™ ADSS Aerial Cable

48 Core Loose Tube, Double Jacket Non Metallic Cables

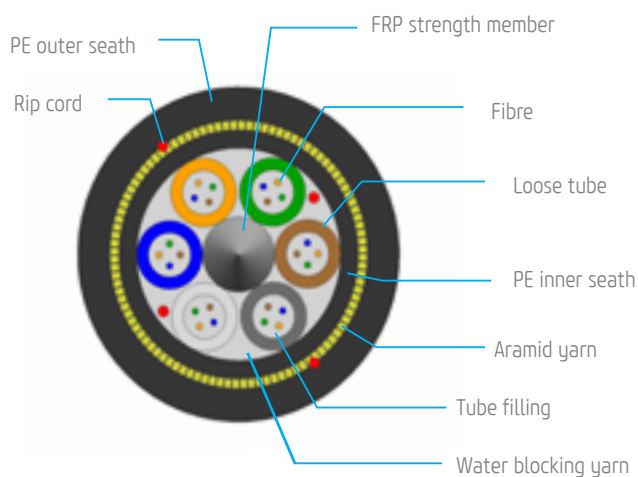


Part number:
2004HO(0)0414-1000

Hermesys LadonX™ All-Dielectric Self-Supporting cables are designed for easy and fast single pass installation. The super long span length design can achieve 1000m.

The light weight construction is ideal for using along utility poles for cable television, telecom or other outside plant campus backbone applications without the need for cable lashing or grounding or where metallic cable can not be used. The cable is suitable for power lines up to 275kV.

Round cable design minimized wind and ice loading for reducing cable sag and tensile forces on towers and support hardware.



Cross section of part number:
< Not to scale >

Features and Benefits

Non metallic FRP central strength member is lighter and more flexible. No rust problem in the whole cable life.

PBTP loose tube filling with suitable water tightness compound to prevent the ingress of water.

Loose tubes S-Z stranded around the central strength member.

Aramid yarns strength elements for superior cable tensile strength and stability.

The Black PE jacket is suitable for outdoor use with high performance UV resistance.

Standards

Reference

IEC 60794
IEC 60793
Telcordia GR-20-CORE

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Specifications

GENERAL SPECIFICATIONS

Environment	Outdoor
Application	Self-support Aerial, River crossing
Cable Type	Multi loose tube
Product Type	Telecom outside plant
Flame Rating	N/A
Fibre Category	Full range of fibre
Span Length	1000m
Drum Length	4000m

TEMPERATURE RANGE

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

CABLE DESIGN

Fibre Count	48
Fibre Color	EIA/TIA 598 standard
Tensile Strength Elements	FRP non metallic strength member
Strength Member	Aramid Yarn
Number of Loose Tube	6 (12 Fibre per tube)
Inner Jacket Material & Colour	Medium density polyethylene, Black
Outer Jacket Material & Colour	Medium density polyethylene, Black

MECHANICAL CHARACTERISTICS CABLE

RTS/MAT (N)	39600/17800
Crush Resistance, Short-term (N)	3000N
EDS (N)	9800
Nominal Outer Diameter (mm)	14.3±0.5
Nominal Weight (kg/km)	166
Min. Bend Radius Installation	25xOD
Min. Bend Radius Operation	12.5xOD

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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

2004H0(0)0414-1000

Sheath Marking

Hermesys LadonX ADSS Double Jacket Non Metallic
Cable 2004H0(0)0414-1000<G652D> <48core> WWYYYY

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 (2D/24 cores, 4H/48 cores)

Shipping information

Packaging Method

Wooden drums with protection

Delivery Lengths

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