

LadonX™ ADSS Aerial Cable

24-144 Cores Loose Tube Single Jacket Non Metallic Cables



Part number:
20XYY02414

Hermesys LadonX™ All-Dielectric Self-Supporting cables are designed for easy and fast single pass installation.

The light weight construction is ideal for installation along utility poles for cable television, telecom or outside plant campus backbone applications without the need for cable lashing or grounding or where metallic cable can not be used.

Round cable design which minimized wind and ice loading for reducing cable sag and the tensile forces on supporting towers.

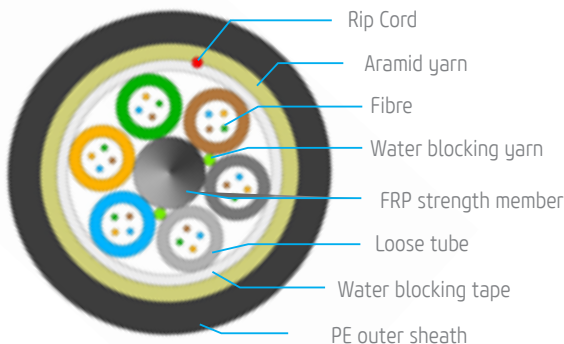
Features and Benefits

Non metallic FRP central strength member is lighter and more flexible. Rust-free.

The water blocking yarns and water blocking tape to prevent the ingress of water.

Loose tubes S-Z stranded around the central strength member. Aramid yarns strength elements provide superior cable tensile strength and stability.

Black PE outer jacket is suited for outdoor use with high performance UV resistance



Cross section of part number:
< Not to scale >

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	100/200m
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	24/48/96/144
Fibre Color	EIA/TIA 598 standard
Tensile Strength Elements	FRP non metallic strength member
Strength Member	Aramid Yarn
Number of Loose Tube	6 (max 12 Fibre per tube)
Outer Jacket Material	High density polyethylene
Outer Jacket Color	Black

MECHANICAL CHARACTERISTICS CABLE

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Span Length	Span 100m				Span 200m			
	24C	48C	96C	144C	24C	48C	96C	144C
Max. Tensile strength Short-term (N)	1500	1500	1500	1800	4500	4500	6000	9000
Max. Tensile Strength. Long-term (N)	1000	1000	1000	1200	3000	3000	4000	6000
Crush Resistance, Short-Term (N)	1000	1000	1000	1000	1000	1000	1000	1000
Max Breaking Load	2500	2500	2500	3000	7500	7500	10000	15000
Nominal Outer Diameter (mm)	9.4	10.4	12.8	15.6	10.2	11.0	13.4	16.4
Nominal Weight (kg/km)	65	75	120	180	68	88	135	200

CHEMICAL CHARACTERISTICS

ROHS

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

Fibre Specifications

Refer the Hermesys fibre specification as per order

Notes:

Ordering information

Part Number

20XYY02414-ZZZ

Sheath Marking

Hermesys LadonX ADSS Single Jacket Cable span xxxm
20XYY02414-ZZZ<Fibre Type> <XXXcore> WWYYYY

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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)
- 3) ZZZ = Span Length

Shipping information

Packaging Method

Wooden drums with protection

Delivery Lengths

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