

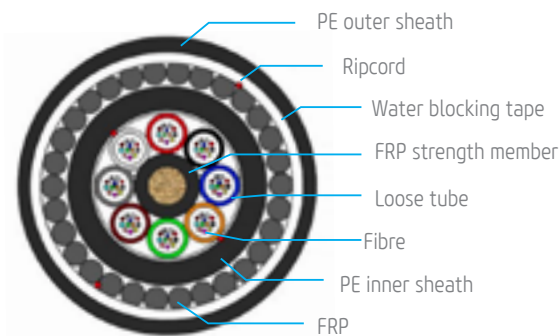
LadonX™ Non-Metallic FRP Armoured Cable

2-144 Cores Loose Tube, Double Jacket Rodent Resistant Cable



LadonX™ All-Dielectric Self-Supporting FRP armoured Fibre Optic Cable is designed for both aerial and direct buried applications.

The round FRP wire can provide the additional protection of the cable to prevent the “mega” rodent animal like a squirrel to damage the cable.



Cross section of part number:
< Not to scale >

Features & Benefits

Optical fibers are housed in loose tubes that are made of high-modulus plastic and filled with waterproof compounds.

Loose tubes are SZ stranded around the central strength member.

FRP are wrapped around the inner sheath as peripheral strength member.

The cable core is covered with water blocking tape to prevent from water ingress.

Standards

Reference

IEC 60794-1-1, IEC 60794-1-2
 IEC 60794-2, IEC 60794-3
 IEC 60794-3-10, IEC 60794-3-11
 IEC 60794-1-2-E1, IEC 60794-1-2-E3
 IEC 60794-1-2-E4, IEC 60794-1-2-E6
 IEC 60794-1-2-E11A
 IEC 60794-1-2-F5B
 IEC 60794-1-2-F1

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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	150m
Drum Length	2000m

TEMPERATURE RANGE

Storage	-40°C to 70°C
Operation	-40°C to 70°C
Installation	-5°C to 60°C

CABLE DESIGN

Fibre Count	96
Tensile Strength Elements	FRP non metallic strength member
Number of Loose Tube	8 (12 Fibres per tube)
Water Blocking-1	Water blocking tape
Inner Jacket Material	HDPE
Peripheral Strength Member	FRP
Water Blocking - 2	Water blocking tape
Outer Jacket Material	HDPE

MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength. Short-Term	3500N
Crush Resistance, Short-Term	2500N
Nominal Outer Diameter (mm)	17.8
Nominal Weight (kg/km)	345
Min. Bend Radius Dynamic	20 * diameter
Min. Bend Radius Static	15 * diameter

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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	2009F-0(0)1113
Sheath Marking	Hermesys ChimeraX ADSS Double Jacket FRP Armoured Cable 20096-0(0)1113 <Fibre Type> <XXXcore> WWYYYY

Notes:

1)YYY = Number of Core (1B/12cores, 2D/24cores, 3F/36cores, 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 2km with a tolerance of $\pm 5\%$