

ChimeraX™ Non-Metallic FRP Armoured Cable

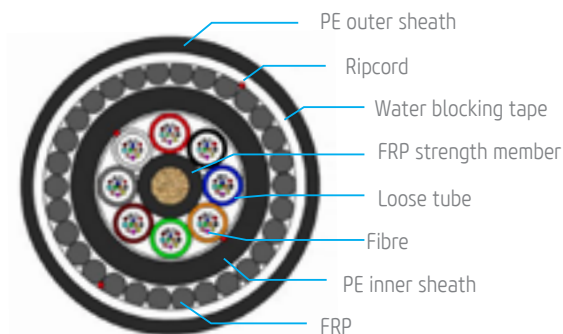
48 Cores Loose Tube, Double Jacket Rodent Resistant Cable



Part number:
200YY-0(0)1113

ChimeraX™ 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	48
Tensile Strength Elements	FRP non metallic strength member
Number of Loose Tube	6 (8 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	6000N
Crush Resistance, Short-Term	4000N/10cm
Nominal Outer Diameter (mm)	16
Nominal Weight (kg/km)	230
Min. Bend Radius Dynamic	20 * diameter
Max. Installation Voltage	132kv/275kv

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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

2004H-0(0)1113

Sheath Marking

Hermesys ChimeraX ADSS Double Jacket FRP
Armoured Cable 2004H-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 $\pm 5\%$