



ChimeraX™ Amphibious Fiber Optic Cable

Singlemode 96F with Godzilla-Armor protection

Flame Resistant

IEC 60332-1

IEC 60331-25

Design Reference

IEC 60793-1-1&2

IEC 60793-2-50

IEC 60794-1-1

IEC 60794-1-2

IEC 60794-1-21/22/23

IEC 60794-3

IEC 60794-3-30

ITU-T G.652/G.657/G.658/G.659

EIA/TIA 598

Application

Under the sea or river

Horizontal directional drilling

Working Conditions

Storage Temperature

-30°C ~ +60°C

Installation Temperature:

-15°C ~ +45°C

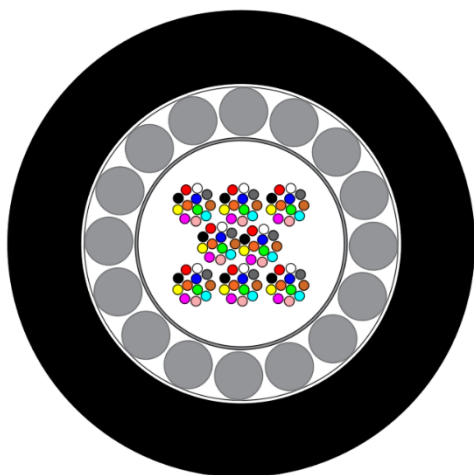
Operation Temperature

-20°C ~ +50°C

Min. Allowable Bending Radius

>0.5 Meter (No tensile load)

>0.8 Meter (With tensile load)



Hermesys ChimeraX™ series amphibious cable is a unique design for on land ultra long distance without termination environment. The single drum length can easily go to 20km per drum. The excellent Godzilla-Armor can protect the cable to be used in any harsh environment. Even under water installation or long distance horizontal directional drilling.

Technical data

Number of Fibers	96
Fiber Type	G652D
Fiber Tube	FIMT
Fiber count in FIMT	8×12F
Quantity of Fiber Bundles (Raw fiber in plastic wrapping)	8
Armor	1 layers of GSW with WBT
Outer Sheath	LSOH
Thickness of outer sheath (Nom.)	mm 2.5
Overall Diameter	13.0±0.4
Weight (In Air)	kg/m 0.34±0.08
Weight (In Seawater)	kg/m 0.20±0.04
The Longitudinal Penetration Distance @ 2MPa, 336h	≤200m

Fiber Chromatogram

No.	1	2	3	4	5	6	Fiber No. 1-12 No Ring
Color	Blue	Orange	Green	Brown	Slate	White	
No.	7	8	9	10	11	12	
Color	Red	Black	Yellow	Violet	Pink	Aqua	



No.	1		2		3		4		5		6	
Color	Blue		Orange		Green		Brown		Slate		White	
No.	7		8		9		10		11		12	
Color	Red		Black		Yellow		Violet		Pink		Aqua	
Fiber No. 13~24 1 Ring-50 , 25~36 1 Ring-100, 37~48 1 Ring-150, 49~60 1 Ring-200												
No.	1		2		3		4		5		6	
Color	BL		OG		GN		BN		ST		WT	
No.	7		8		9		10		11		12	
Color	RD		BK		YL		VT		PK		AQ	
Fiber No. 61~72 2 Rings-100, 73~84 2 Rings-150, 85~96 2 Rings-200												

Ps: X Rings-YYY. X means the black ring quantity. YYY means the distance between the adjacent rings, unit in mm.

Mechanical Property

No.	Technical Parameter	Unit	Designed Value
1	Ultimate tensile strength (UTS)	kN	40
2	Nominal temporary tensile strength (NTTS)	kN	30
3	Nominal operating tensile strength (NOTS)	kN	20
4	Nominal permanent tensile strength (NPTS)	kN	10
5	Crush	kN	10
6	Impact	Nm	100

Shipping Information

Packing Method

Metal Drum with both end of cable sealed with plastic cap

Delivery Length

20KM per steel drum

Drum Size

3000×2100×1800mm (OD×W×H) Center Hble 160mm (For Drum Stand)

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