



Hermesys ChimeraX™ FR Armor 24F Cable

Fire Retardant/Fire Resistant/Double Armor/Rodent Resistant

Flame Resistant

IEC 61034
IEC 60754-1&2
IEC 60332-1
IEC 60332-3-24
OFNP(With OFNP PVC Jacket)
IEC 60331-25

Design Reference

IEC 60793
IEC 60794
ITU-T G.652

Application

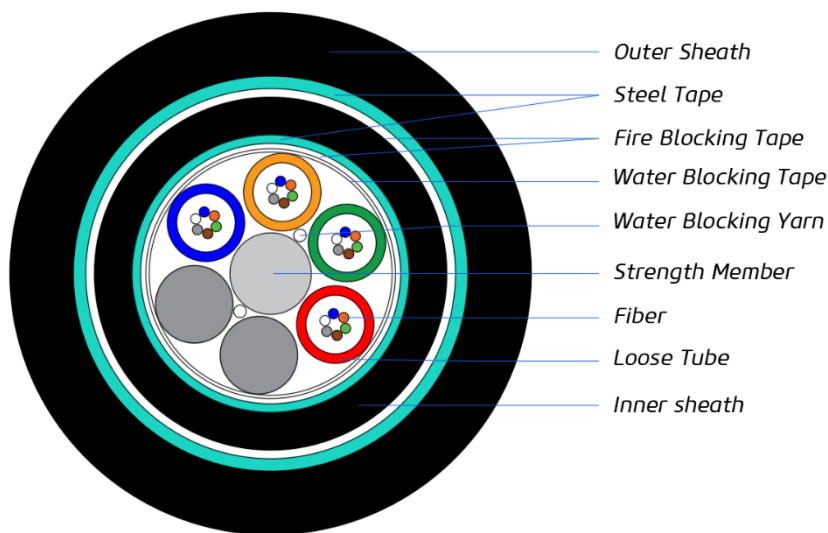
Industrial Plant
Oil & Gas
Tunnel

Working Condition

Storage Temperature
-40°C ~ +70°C
Installation Temperature:
-10°C ~ +60°C
Operation Temperature
-40°C ~ +70°C

Min. Allowable Bending Radius

Static: > 10 D
Dynamic: > 20 D
D is the out diameter of the cable



Technical data

Number of Fiber	24	
Type of Fiber	250μm PCVD fiber	
Fibers per Tube	6 (Max to 12)	
Strength Member	FRP	
Inner Jacket	LSZH	
Water Blocking Element	Water Block Yarn & Tape (Semi-dry)	
Fire Barrier Tape	Inner & Outer Mica Tape	
Armor	2 Layers of Corrugated Steel Tape	
Outer Sheath	LSOH (Oil Resistant OFNP PVC could be option)	
Cable OD Nom.	mm	16.8
Weight approx	kg/km	305



Mechanic Characteristics

Test	Standard	Value	Sanction*
Max. Installation Tension	IEC 60794-1-2-E1	3000N	Fiber strain $\leq 0.33\%$,
Crush (Short term)	IEC 60794-1-2-E3	3000N/100mm	No visual crack of cable sheath Additional loss $\leq 0.1\text{dB}$ @1550nm
Temperature range	IEC 60794-1-2-F1	-40 ~ + 70°C	Additional loss $\leq 0.1\text{dB}$ @1550nm
Water Penetration	IEC 60794-1-2-F5B	3meter cable, 1 meter height of water is applied for 24 hours	No water leakage

Identification

No.	1	2	3	4	5	6	Fiber Colors
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	Loose Tube Colors
Color	Blue	Orange	Green	Brown	Slate	White	

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX LOOSE TUBE FIRE BARRIER CABLE SINGLE MODE G652D 24 FIBER < 2002D2(2)FR(2)2110(0) > WYYYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with Protection

Delivery Length

Standard Delivery Length is 4km with a tolerance of $\pm 3\%$



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