



Hermesys ChimeraX™ FR Armor 24F Cable

OFNP/Fire Resistant/Double Armor/Tight Buffer Fiber

Flame Resistant

IEC 61034
IEC 60754-1&2
IEC 60332-1
IEC 60332-3-24
OFNP
IEC 60331-25

Design Reference

IEC 60793
IEC 60794
ITU-T G.652

Oil Resistant

UL 62

Application

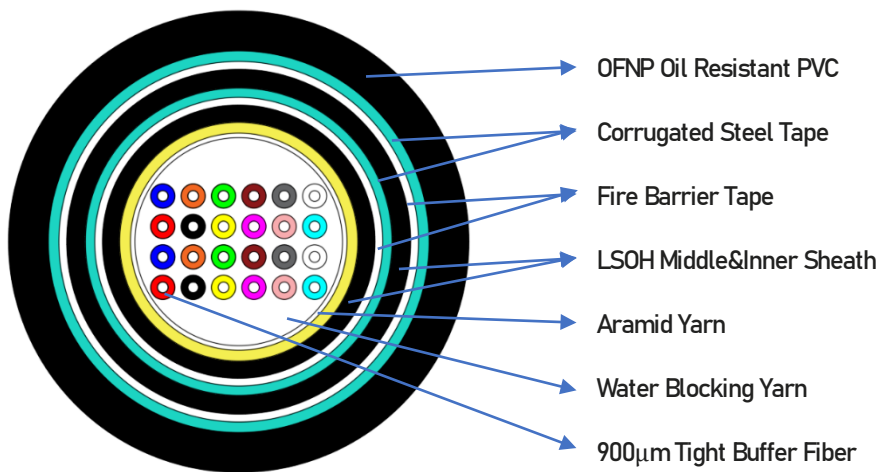
Industrial Plant
Oil & Gas
Tunnel

Working Condition

Storage Temperature
-40°C ~ +80°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	900µm Tight Buffer Fiber	
Strength Member	Aramid Yarn	
Inner Jacket	LSOH	
Water Blocking Element	Water Block Yarn	
Fire Barrier Tape	2 Layers	
Armor	2 Layers of Corrugated Steel Tape(Thickness 0.2mm)	
Middle Sheath	LSOH	
Outer Sheath	Plenum PVC (OFNP)	
Cable OD Nom.	mm	17.3
Weight approx	kg/km	298



Mechanic Characteristics

Test	Standard	Value	Sanction*
Max. Installation Tension	IEC 60794-1-2-E1	1000N	No visual crack of cable sheath Additional loss $\leq 0.1\text{dB}$ @1550nm
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 ~ + 80°C	$\leq 0.4\text{dB/km(SM)}$, 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	No Ring on Fiber
Color	Blue	Orange	Green	Brown	Slate	White	
No.	7	8	9	10	11	12	
Color	Red	Black	Yellow	Violet	Pink	Aqua	One Ring on Fiber
No.	13	14	15	16	17	18	
Color	Blue	Orange	Green	Brown	Slate	White	
No.	19	20	21	22	23	24	
Color	Red	Black	Yellow	Violet	Pink	Aqua	

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX TIGHT BUFFER FIBER FIRE BARRIER CABLE SINGLE MODE G652D 24FIBER < 2002D2(21P)FR(2)5220(0) > WWWYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with Protection

Delivery Length

Standard Delivery Length is 2km with a tolerance of $\pm 3\%$



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