



LadonX™ 48F LSOH Jacket Mid Span Cable

Flame Resistant

No Request

Design Reference

IEC 60794-1

IEC 60794-3

IEC 60794-3-10

IEC 60794-3-11

ITU-T G.657A1

Working Conditions

Storage Temperature

-30°C ~ +70°C

Installation Temperature

-20°C ~ +70°C

Operation Temperature

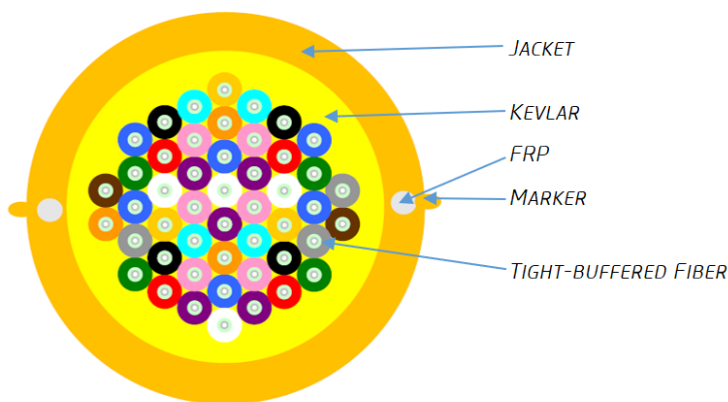
-20°C ~ +70°C

Min. Allowable Bending Radius

Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the cable



Technical data

Number of Fibers		48
Fiber Type		G.657A1
Tight-buffered Fiber		PVC
Tight-buffered Fiber Diameter	μm	850±50
Strength Member		FRP + Kevlar
FRP Diameter (Nom.)	mm	1.0
Jacket		LSOH
Jacket Color		Yellow
Overall Diameter (Nom.)	mm	12.5

Fiber Chromatogram

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



Mechanical Property

No.	Mechanical Specification	Unit	Designed Value
1	Tension (Long Term)	N	1000
2	Tension (Short Term)	N	2000
3	Crush (Long Term)	N/100mm	500
4	Crush (Short Term)	N/100mm	1000

Optic Fiber

Optic Fibers supplied in this specification meet the requirements of ITU-T G.657A1

Parameter	Specification
MFD (1310nm)	9.1±0.4um
MFD (1550nm)	10.4±0.5um
Cladding diameter	125+/- 1.0um
Coating Diameter	245±7um
Core/ cladding concentricity error	≤ 0.6um
Coating/cladding concentricity error	≤ 12.0um
Cladding non- circularity	≤ 1.0%
Cut- off wavelength	$\lambda_{cc} \leq 1260\text{nm}$
Attenuation Coefficient	1310nm: 0.34dB/km max after cabling 1550nm: 0.20dB/km max after cabling

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX 48F LSOH JACKET MID SPAN CABLE G.657A1 WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

According to customer requirements

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