



Fire Retardant

IEC 60332-1

LSOH

IEC 60754-1&2

IEC 61034-2

Design Reference

IEC 60794

Application

Structured Cabling System

Telecom Backbones

Indoor&Outdoor

FTTx

Working Condition

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-20°C ~ +60°C

Operation Temperature

-30°C ~ +70°C

Min. Allowable Bending Radius

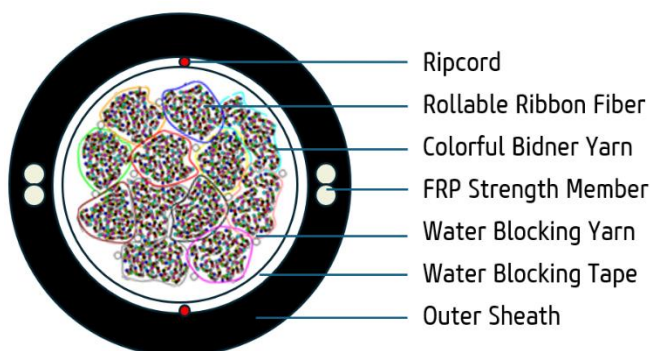
Static: > 15 D

Dynamic: > 20 D

D is the out diameter of the cable

LadonX™ Fiber Optic Cable Rollable Ribbon

G657.A2 200um/Ribbon-12F/Jelly-free/FRP/LSOH



Technical data

Fiber Count		288	432	576	864	1728	3456
Fiber Count per Ribbon					12F		
Fiber Category					200um G657.A2		
Ribbon Count		24	36	48	72	144	288
Ribbon OD (Approx.)	mm				2.4*0.22		
Ribbon Count per Binder					12		
Strength Member Material					FRP		
Water Blocking					Water Blocking Yarn & Water Blocking Tape		
Ripcord					2		
Outer Sheath Material					LSOH		
Outer Sheath Color					Black		
Cable OD (Approx.)	mm	11.3	12.8	13.5	15.8	20.1	26.9
Cable weight (Approx.)	kg/km	130	165	210	235	360	615

Mechanic Performance

Tensile Performance(N)	Short Term	2700
	Long Term	810
Crush(N/100mm)	Short Term	1000
	Long Term	300



Mechanical Characteristics

Test	Standard	Value	Sanction*
Tensile Performance	IEC 60794-1-21-E1	2700N Sample length: ≥50m. Duration time: 1min.	Additional loss SM≤0.15dB @1550nm Fiber strain ≤0.6% No visual crack of cable sheath
Crush	IEC 60794-1-21-E3	1000N/100mm Duration of load: 1min	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Impact	IEC 60794-1-21-E4	4.4 J with striking surface radius of 300 mm Impact number: 1 Impact points: 3 (Not less than 1m apart)	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Repeated Bending	IEC 60794-1-21-E6	Bending radius: 20* ϕ Cycles: 25 Load: 150N	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Torsion	IEC 60794-1-21-E7	Cycles:10 Turns: $\pm 180^\circ$ Load:150N	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Temperature Cycling	IEC 60794-1-22-F1	-30°C ~ +70°C Cycles: 2 Dwell time: 12 hours	Variation in attenuation coefficient SM≤0.10dB/km @1550nm
Water Penetration	IEC 60794-1-22-F5B	Time : 24 hours Sample length : 3m Water height : 1m	No water leakage

Identification

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

*From Binder 13-24, with white stripe, white color with black stripe, black color with yellow stripe.

Ribbon Number	Symbol	Ribbon Number	Symbol	Ribbon Number	Symbol
Ribbon 1	I	Ribbon 5	■	Ribbon 9	■ ■ ■ ■
Ribbon 2	II	Ribbon 6	■ I	Ribbon 10	■ ■ ■
Ribbon 3	III	Ribbon 7	■ II	Ribbon 11	■ ■ ■ I
Ribbon 4	IIII	Ribbon 8	■ III	Ribbon 12	■ ■ ■ II



Ordering Information

Product Part Number	Product Description
207yy2512R12P4BAS	Hermesys LadonX™ Fiber Optic Cable Rollable Ribbon SM G657.A2 200um <yy-fiber count>core Ribbon-12/Jelly-free/FRP/LSOH Black

Sheath Marking

Color: white

Interval: 1+1%/m

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX FIBER OPTIC CABLE ROLLABLE RIBBON <Part Number> SM G657A2 <Fiber Count> FIBER RIBBON-12 LSOH <WWYYYY> <Drum ID> <XXXX>M

<Part Number> indicates product P/N

<Fiber Count> indicates 288 to 3456

<WWYYYY> indicates week/year

<Drum ID> indicates each drum number, rule refer to Drum ID formula file

<XXXX> indicates meter

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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All sizes and values without tolerances are reference values. Specifications are for product as supplied by Hermesys: any modification or alteration afterwards of product may give different result.

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