



Fire Retardant

IEC 60332-1

LSOH

IEC 60754-1&2

IEC 61034-2

Design Reference

IEC 60794

Application

Structured Cabling System

Indoor

Working Condition

Storage Temperature

-20°C ~ +70°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +70°C

Min. Allowable Bending Radius

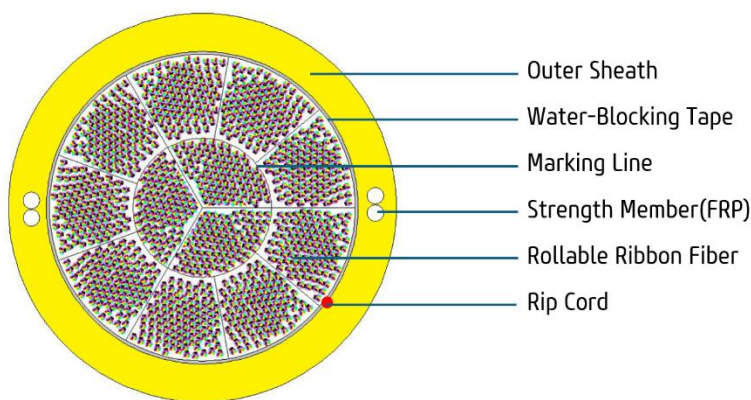
Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the cable

LadonX™ Fiber Optic Cable Rollable Ribbon

Ribbon-12F(16F)/Jelly-free/FRP/LSOH



Technical data

Fiber Count	144	288	432	576	864	1152	1728	3456	6912	
Fiber Count per Ribbon	12F or 16F									
Fiber Category	200um									
Ribbon Count	12F	12	24	36	48	72	96	144	288	576
	16F	9	18	27	36	54	72	108	216	432
Strength Member Material	FRP									
Outer Sheath Material	LSOH									
Outer Sheath Color	Yellow									
Cable OD (Approx.)	mm	9.5	11.5	12.5	13.5	15.5	17.0	19.5	26.5	35.0
Cable weight (Approx.)	kg/km	100	128	148	170	205	248	305	500	805

Mechanic Performance

Tensile Performance(N)	Short Term	1300
	Long Term	390
Crush(N/100mm)	Short Term	1000
	Long Term	300



Mechanical Characteristics

Test	Standard	Value	Sanction*
Tensile Performance	IEC 60794-1-21-E1	1300N 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: 5min	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*D Cycles: 25 Load: 150N	Additional loss SM≤0.10dB @1550nm o visual crack of cable sheath
Torsion	IEC 60794-1-21-E7	Cycles:5 Turns: ±90° Load:150N	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Temperature Cycling	IEC 60794-1-22-F1	-20°C ~ +70°C Cycles: 1 Dwell time: 12 hours	Variation in attenuation coefficient SM≤0.15dB/km @1550nm

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.	13	14	15	16			
Color	Olive	Carmin	Dark Brown	Lime			

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
20xyy2512R12P4SW	Hermesys LadonX™ Fiber Optic Cable Rollable Ribbon <x-fiber type> <yy-fiber count>core Ribbon-12/Jelly-free/FRP/LSOH Black
20xyy2512R16P4SW	Hermesys LadonX™ Fiber Optic Cable Rollable Ribbon <x-fiber type> <yy-fiber count>core Ribbon-16/Jelly-free/FRP/LSOH Black

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

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

<Part Number> indicates product P/N

<Type> indicates G.657A2 / G.657A1

<Fiber Count> indicates 144 to 6912

<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 $\pm 3\%$

Hermesys 2015, All Rights Reserved

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.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Hermesys. The information is believed to be correct at the time of issue. Hermesys reserves the right to amend this specification without prior notice.

www.hermesys.com

info@hermesys.com
Phone +65 6962 3588
27 New Industrial Rd, #06-06
Novelty Techpoint Singapore 536212

AH20BW

