



LadonX™ 12/24/48/96/144/192F Outdoor Cable

Flame Resistant

No Request

Design Reference

IEC 60794-1-1

IEC 60794-1-2

IEC 60794-3

IEC 60794-3-10/11

ITU-T G.652D

Application

Applicable to direct burial laying and maintenance of outdoor optical cable lines.

Working Conditions

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-15°C ~ +60°C

Operation Temperature

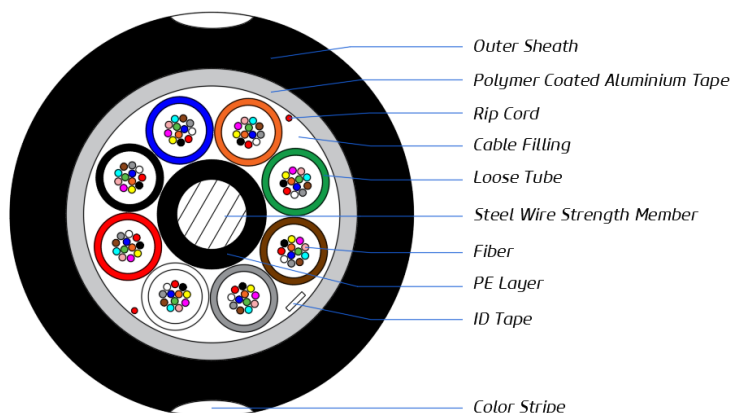
-40°C ~ +70°C

Min. Allowable Bending Radius

Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the cable



Technical data

Number of Fibers		12/24/48/96/144/192
Fiber Type		G652D
Central Strength Member		Steel wire /Steel wire+PE layer
Steel Wire Diameter (Nom.)	mm	1.45/1.45/2/2/2/2
PE Layer Diameter (Nom.)	mm	1.45/1.45/3/3.1/5.5/2
Loose Tube Diameter (Nom.)	mm	1.8
No. of Loose Tube		2/4/8/8/12/16
Fiber Per Tube		6/6/6/12/12/12
Number of Fillers		3/1/0/0/0/2
Filler Material		PP
Outer Sheath		HDPE
Outer Sheath Color		Black
Thickness of Outer Sheath (Nom.)	mm	1.85
Moisture barrier		Polymer coated aluminum tape
Tube Filling		Gel
Color stripe Dimension (Nom.)	mm	3.2
Stripe Color		White
No. of Color Stripe		2
No. of Rip Cord		2
Overall Diameter (Nom.)	mm	10/10/11.3/12/14.3/14.5
Weight Approx.	kg/km	99/99/125/135/181/192



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	

Loose Tube Chromatogram

No.	1	2	3	4	5	6	Repeated color tube is marked with one black stripe of about 2mm along the tube continuously.
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	Max. tensile strength	N	2700
2	Crush resistance	N/100mm	1500

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX OUTDOOR CABLE 12/24/48/96/144/192F G652D WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

6 km per drum

Info@hermesys.com
Phone +65 66921168
42 Emerald Hill Road, Singapore



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