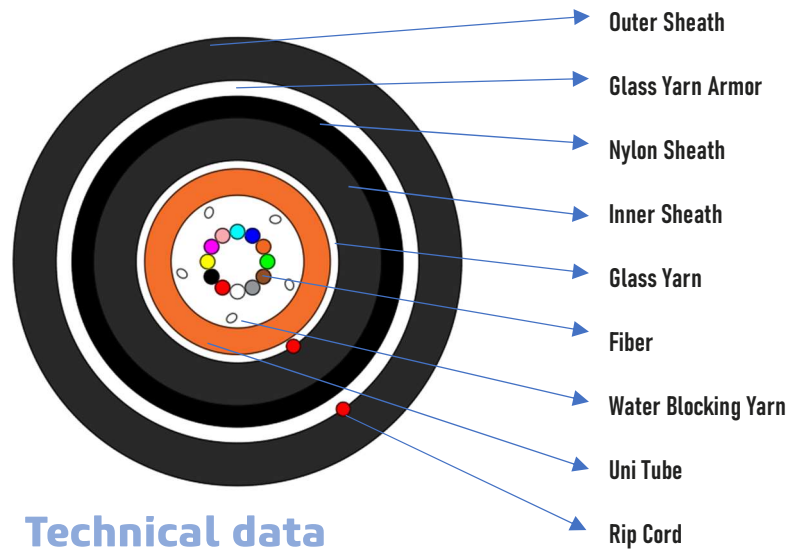




LadonX™ 12F G652D Indoor/Outdoor Cable

None Metallic Armor, Anti Termite and Rodent without toxic chemical additive



Technical data

Number of Fibers	12
Fiber Type	G652D
Fiber Tube	PBT Uni Tube
Tube OD	mm 3.0±0.1
Water Blocking Material	Water Blocking Yarn
Inner Sheath	LSOH
Sheath Color	Black
Anti Termite Sheath	Nylon
Nylon Color	Black
None Metallic Armor	Glass Yarn Armor
Outer Sheath	LSOH
Cable Weight (Approx.)	kg/km 127
Cable Diameter(Nom.)	mm 9.6

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

Flame Resistant

IEC 60754-1

IEC 60754-2

IEC 60332-1-2

Design Reference

IEC 60794

ITU-T G.652

Application

Oil&Gas plant

Tunnel Pipeline

Working Conditions

Storage Temperature

-20°C ~ +70°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +70°C

Min. Allowable Bending Radius

>20 D

D is the out diameter of the cable



Mechanical Property

No.	Technical Parameter	Unit	Designed Value
1	Tensile Strength	N	2000
2	Crush Strength	N	1500

Optical Fiber

Parameter	Specification
MFD (1310nm)	8.7~9.5 μ m
Cladding diameter	125 $\pm$ 1.0 μ m
Fibre diameter	235~255 μ m, with UV coating, and colored to : 250 $\pm$ 15 μ m
Core/cladding concentricity error	$\leq$ 0.6 μ m
Coating/cladding concentricity error	$\leq$ 12.0 μ m
Cladding non circularity	$\leq$ 1.0%
Cut off wavelength	$\lambda_{cc} \leq$ 1260nm
Attenuation coefficient	1310nm: 0.36dB/km max after cabling 1550nm: 0.22dB/km max after cabling
Bending-loss performance of optical fibre @1310nm&1550nm	$\leq$ 0.05dB (100 turns around a mandrel of 50mm diameter)
Polarization mode dispersion maximum individual fibre	$\leq$ 0.2ps/ $\sqrt$ km
Polarization mode dispersion link value	$\leq$ 0.1ps/ $\sqrt$ km
Zero-dispersion wavelength	1300~1324nm
Zero-dispersion slope	$\leq$ 0.092ps/nm ² ·km

Sheath Marking

The outer sheath is marked in 1meter intervals as follows.

HERMESYS LADONX INDOOR/OUTDOOR GLASS YARN ARMOR CABLE 12F G652D LSOH AT-AR WWW YYYY XXXXM

Shipping Information

Packing Method

Wooden Metal Drum with Protection

Delivery Length

Standard Delivery Length is 4km with a tolerance of $\pm$ 3%

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