



LadonX™ 4F G652D Indoor/Outdoor Cable

Fully Dry Structural, Anti Termite and Rodent without toxic chemical additive

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

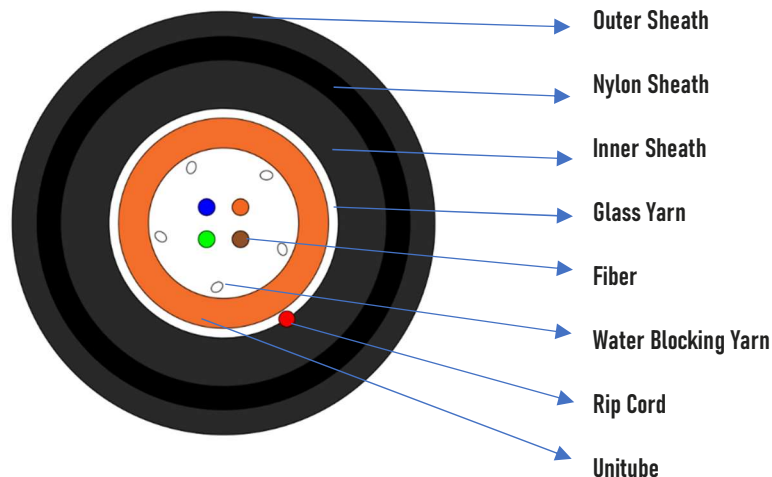
Operation Temperature

-20°C ~ +70°C

Min. Allowable Bending Radius

>20 D

D is the out diameter of the cable



Technical data

Number of Fibers		4
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
Outer Sheath		LSOH
Cable Weight (Approx.)	kg/km	92
Cable Diameter(Nom.)	mm	8.4

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.	Technical Parameter	Unit	Designed Value
1	Tensile Strength	N	1500
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 CABLE 4F 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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