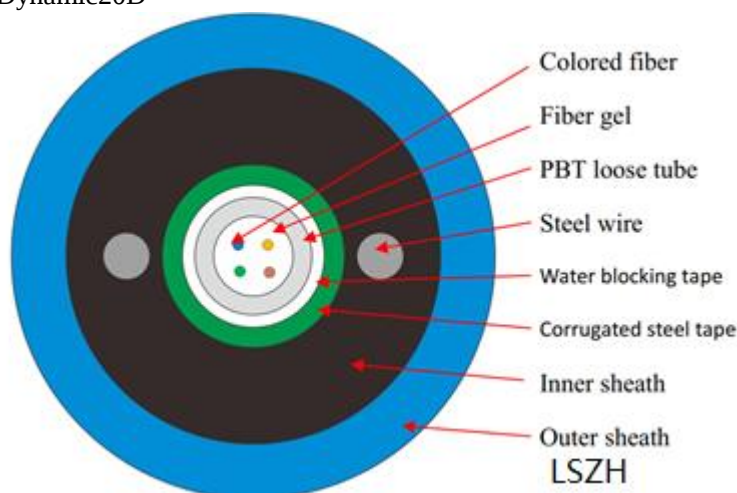


CABLE SPECIFICATION**MGXTSV 04-24CORE – SINGLE MODE-LSZH****Cable construction:****Features**

04-24 fibers
Extremely refined refractive index profile
Low differential mode delay (DMD)
Low attenuation
Uni tube gel-filled construction for superior fiber protection
Superior geometry, uniformity
Two parallel steel wire to enhance tensile resistant
UV and moisture-resistant designs.

Temperature Range
Operating -40°C to +70°C
Storage -50°C to +70°C
Installation -30°C to +70°C
Bending Radius:
Static 10D
Dynamic 20D



- Colored fiber
- Fiber gel
- PBT loose tube : Diameter $2.3 \pm 0.1\text{mm}$
- Steel wire: Diameter $0.7 \pm 0.1\text{mm}$
- Water blocking tape
- Corrugated steel tape
- Inner sheath : cable Diameter $7.6 \pm 0.1\text{mm}$
- Outer Sheath : cable Diameter $11.0 \pm 0.1\text{mm}$ (LSZH)

Benefits and Applications

- Data centers
- Storage Area networks
- High performance computing centers
- Central offices
- Local Area Network
- Optimized performance in tight-buffer cable applications
- High resistance to micro-bending
- Stable performance over a wide range of environmental conditions.

Information:

ITEMS		DESCRIPTION
Fiber count		04FO-24FO
Loose tube	OD(mm)	(11mm $\pm$ 1)
	Material	PBT

Water Block material		Water bloking compound
Strength Number (steel)		0.8mm±2
Sheath	Thichness:	2.2mm
	Outer cable	LSZH
OD of cabc (mm)		11

Cable Spec

ITEMS		UNITS	SPECIFICATION
			Single mode G652D
Waveband	1310nm	dB/km	0.36
	15500nm	dB/km	0.24

Construction

- jacket : 2 jacket – Inner and Outer is LSZH
- Parallel steel strengthmember
- Corrugated steel tapsarmored (PSP)
- Water blocking taps PBT LooseTube
- Jelly corefibers

Fiber color code

The fiber in the loose tube is colored according to the following color code. Each color is distinguishable from the other under normal light conditions

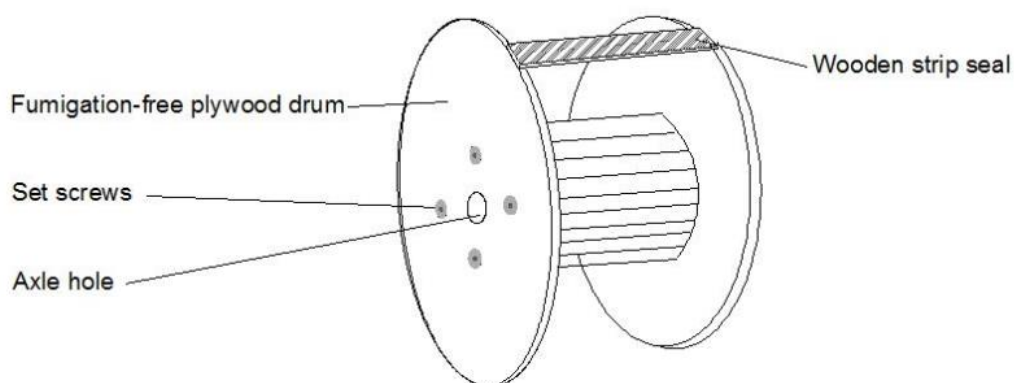
No	1	2	3	4	5	6	7	8	9	10	11	12
Color	1	2	3	4	5	6	7	8	9	10	11	12
No	13	14	15	16	17	18	19	20	21	22	23	24
Color	1	2	3	4	5	6	7	8	9	10	11	12

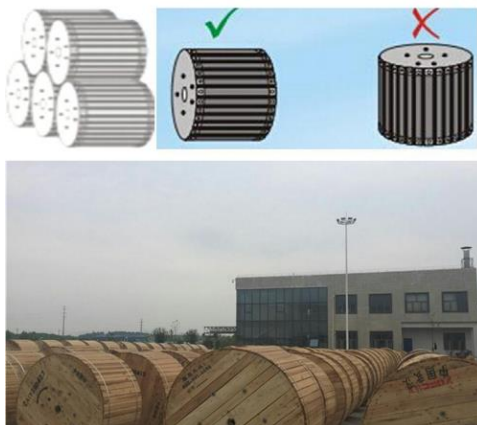
Testing Cable:

No	ITEMS	TEST METHOD	ACCEPTANCE CRITERIA
1	Tendile Loading Test	#test method: IEC 60797-1-E1 - Long-tensile load: 1300N - Short-tensile load: 2700N -Cable lenth: ≥50m	- Attenuation incermant@1550nm≤0.1dB - No jacket cracking and fiber brackage
2	Crush Resistance Test	#Test method: IEC 60794-1-E4 - Long load: 600N/100mm - Short Load: 0200N/100mm - Load time: 1 minutes	- Attenuation incermant@1550nm≤0.1dB - No jacket cracking and fiber brackage
3	Impact Resistance Test	#Test method: IEC 60794-1-E4 - Impact height: 1m - Impact weigh: 450g - Impact point: ≥5 - Impact frequency: ≥30/point - E=10N.m, r=150mm	- Attenuation incermant@1550nm≤0.1dB - No jacket cracking and fiber brackage
4	Repeated Bending	#Test method: IEC 60794-1-E6 - Mandre diameter: 20D (D=cable diameter)	- Attenuation incermant@1550nm≤0.1dB - No jacket cracking and fiber

		- Subject weight: 15kg - Bending frequency: 30 times - Bending speed: 2s/time	brackage
5	Torsion Test	#Test method: IEC 60794-1-E7 - Length: 1m - Subject weight: 25kg - Angle ± 180 degree - Frequency: ≥ 10 /point	- Attenuation incermant@1550nm ≤ 0.1 dB - No jacket cracking and fiber brackage
6	Water Penetration Test	#Test method: IEC 60794-1-F5B - Height of pressure head: 1m - Length of specmen: 3m - Test time: 24 hours	- no leakage through the open cable end
7	Tempearture Cycling Test	#Test method: IEC 60794-1-F1 - Temperature steps: $+20^{\circ}\text{C}$ to 40°C , $+70^{\circ}\text{C}$, $+20^{\circ}\text{C}$ - Testing time 24 hours/ step - Cycle index: 2	- Attenuation incermant@1550nm ≤ 0.1 dB - No jacket cracking and fiber brackage
8	Drop performance	#Test method: IEC 60794-1-E14 - Testing length: 30cm - Temperature range: $70\pm 2^{\circ}\text{C}$ - Testinng time: 24 hours	- No filling compound drop out
9	Temperature	Operating: -40°C to $+60^{\circ}\text{C}$ Store/ Transport: -50°C to $+70^{\circ}\text{C}$ Installation : -20°C to $+60^{\circ}\text{C}$	

- Each single length of cable shall be reeled on Drum suitable for long-distanceShipment.
- Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage





SHENZHEN HANXIN COMMUNICATION OPTICAL FIBER CABLE CO.,LTD

Add: :Room 814-817, Block A, The Times Square, No.3012 of Sungang East Road, Sungang Street, Luohu District, Shenzhen city, China

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