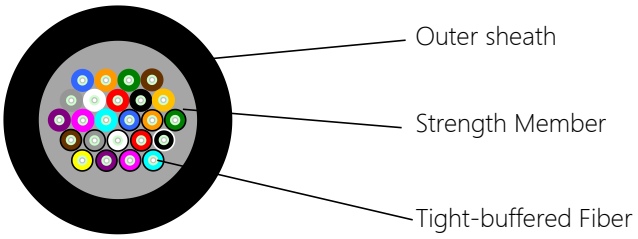
GJYFXJH IN&OUT Optical Fibre Cable



Introduction

GJYFXJH IN&OUT optical fibre cable applies easily-stripped tight buffered fibers, and is reinforced with aramid yarn, water proof supported by water blocking yarn.Afterwards, formed into a cable with an extruded outer sheath. Small cores as 24 and below use a central tube configuration.

Application

Indoor and outdoor fiber optic cabling.

Standards

YD/T 1770、ISO/IEC 11801-1、IEC 60332-1

Structure

Tight buffer fibers	Material	LSZH						
	Diameter	850±50 μm						
Strength member	Material	Water swellable Glass yarn						
Outer sheath	Material	LSZH (UV resistance)						
	Fibre category	OS2、OM3、OM4、OM5						
	Color	Black						
Fibre counts		2	4	6	8	12	16	24
Cable outer diameter（±0.4mm)		4.0	5.0	5.2	5.5	6.3	7.5	8.5
Thickness(±0.1mm)		0.55	0.6	0.65	0.65	0.7	0.9	1.0
Cable Weight（Ref., kg/km)		18.0	19.0	23.0	26.0	36.5	44.5	54.5

Optical performance（Cabled)

Fibre category	Diameter of Core/Cladding	Attenuation	Bandwidth	
			Overfilled modal bandwidth (MHz·km)	Effective modal bandwidth (MHz·km)
OS2	9/125μm	≤0.50dB/km@1310nm ≤0.50dB/km@1550nm	NA	NA
OM3	50/125μm	≤3.5dB/km@850nm ≤1.5dB/km@1300nm	≥1500@850nm ≥500@1300nm	≥2000@850nm
OM4	50/125μm	≤3.5dB/km@850nm ≤1.5dB/km@1300nm	≥3500@850nm ≥500@1300nm	≥4700@850nm

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OM5	50/125μm	≤3.0dB/km@850nm ≤1.0dB/km@1300nm	≥3500@850nm ≥1850@953nm ≥500@1300nm	≥4700@850nm ≥2470@850nm

Mechanical performance

Fibre Count		2~12	13~24
Tensile	Long Term	130N	200N
	Short Term	440N	660N
Crush	Long Term	300N/10cm	
	Short Term	1000N/10cm	
Min. Bend Radius	Dynamic,mm	20xD（OD: cable outer diameter)	
	Static,mm	10xD（OD:cable outer diameter)	

Environmental performance

Working temperature	-20 ~ +60 ℃
Storage temperature	-40 ~ +70 ℃
Humidity	10% ~ 90%

Ordering information

Part Number	Description	Package
ZS2-GJYFXJH*X	* cores tight buffer in/out optical fibre cable，OS2，LSZH（IEC 60332-1)	1km/reel or 2km/reel
ZM3-GJYFXJH*X	* cores tight buffer in/out optical fibre cable，OM3，LSZH（IEC 60332-1)	
ZM4-GJYFXJH*X	* cores tight buffer in/out optical fibre cable，OM4，LSZH（IEC 60332-1)	
ZM5-GJYFXJH*X	* cores tight buffer in/out optical fibre cable，OM5，LSZH（IEC 60332-1)	500m/reel

Note：* for fibre counts.