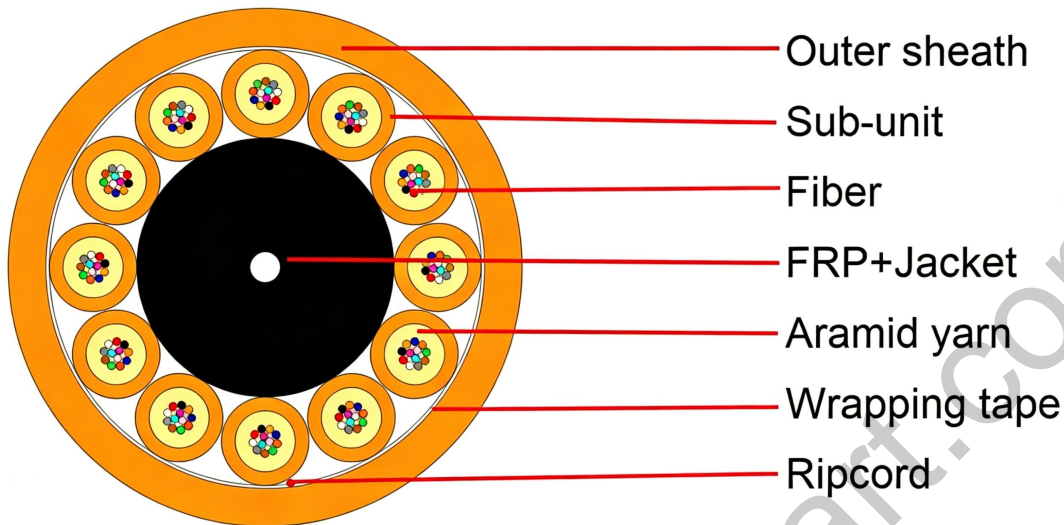


## Breakout Fiber Optical Cable 48~144F MM 62.5/125 LSZH

### 1. Cable structure:



### 2. Cable construction details :

Items		Description			
Fiber	type	62.5/125			
	Total number	48F	72F	96F	144F
	Number of sub-unit fibers	12F			
	Number of sub-unit	4	6	8	12
sub-unit	Material	LSZH			
	Color	Orange			
	Diameter (mm)	2.9±0.05mm			
Central strength member	Material	1.0mmFRP			
	Jacket	/	LSZH		
	Color	/	Black		
	Diameter (mm)	1.0mm	3.0±0.05	5.0±0.1	8.5±0.1
Strength member	Material	Aramid yarn			
Outer sheath	Material	LSZH			
	Color	Orange			
	Diameter (mm)	9.0±0.3	12.0±0.05	13.5±0.6	17.0±0.8
Installation Temperature range (°C)		-10+60			

Operation Temperature range (°C)		-20+70
Storage temperature (°C)		-20+70
Min Bending Radius(mm)	Static	10D
	Dynamic	20D
Tensile Strength(N)	Long term	300
	Short term	500
Crush Load (N/100mm)	Long term	500
	Short term	1000

### 3.Fiber color

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White
7	8	9	10	11	12
Red	Black	Yellow	Violet	Pink	Aqua

### 4.Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	850nm	≤3.0	dB/KM
	1300nm	≤0.8	dB/KM
Minimum Modal Bandwidth	850nm	300	MHz.km
	1300nm	800	MHz.km
Zero dispersion wavelength		1320-1365	nm
Zero dispersion slope		≤0.097	ps/nm <sup>2</sup> .km
<b>Backscatter Characteristics (1300nm)</b>			
Step (mean of bidirectional measurement)		≤0.10	dB
Irregularities over fiber length and point discontinuity		≤0.10	dB
Attenuation uniformity		≤0.10	dB/KM
Numerical Aperture		0.275±0.015	-
Group Refractive Index	850nm	1.497	-
	1300nm	1.493	-
<b>Anwendungen und Linklängen</b>			
	<b>G62.5/125</b>		
	<b>L</b>	<b>M</b>	
Typ gemab ISO 11801:09/2002	OM1	OM1+	
Gigabit Ethernet 1000BASE-SX (850 nm)	350m	500m	
Gigabit Ethernet 1000BASE-LX (1300 nm)	550m	1000m	
10 Gigabit Ethernet 10G BASE-SX (850 nm)			
10 Gigabit Ethernet 10G BASE-SX (1310 nm WDM)			
*10GE Link Lange gem ISO 11801:2			
<b>Geometrical Characteristics</b>			
Core diameter		62.5±2.5	um
Cladding diameter		124.8.0±1.0	um
Cladding non-circularity		≤1.0	%
Coating diameter		254±7	um

<b>Geometrical Characteristics</b>		
Core diameter	62.5±2.5	um
Cladding diameter	124.8.0±1.0	um
Cladding non-circularity	≤1.0	%
Coating diameter	254±7	um
Coating-cladding concentricity error	≤12.0	um
Coating non-circularity	≤6.0	%
Core-cladding concentricity error	≤1.5	um

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