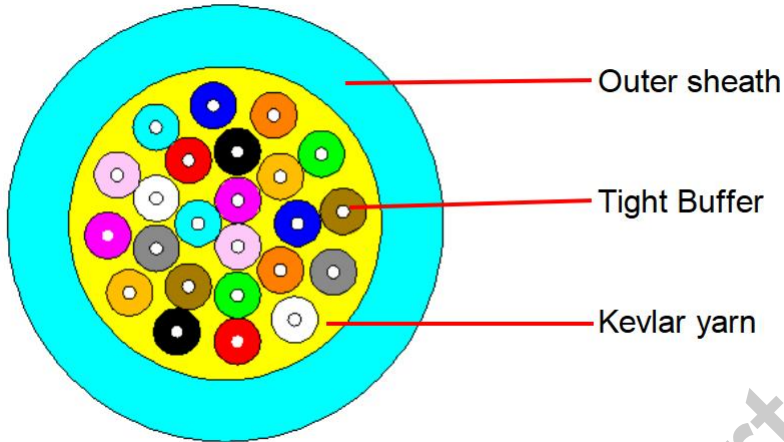


Distribution Tight Buffer Optical Cable 4-24F 50/125

1. Cable structure:



2. Cable construction details :

Fiber count	Tight Buffer	Outer sheath	Cable weight
4F	0.9±0.05(mm)	5.0±0.2(mm)	17kg
6F	0.9±0.05(mm)	5.2±0.2(mm)	22kg
8F	0.9±0.05(mm)	5.5±0.2(mm)	25kg
12F	0.9±0.05(mm)	6.0±0.2(mm)	29kg
24F	0.9±0.05(mm)	8.0±0.3(mm)	50kg
Fiber	Type	50/125	
Tight Buffer	Material	PVC	
Strength member	Material	Kevlar	
Outer sheath	Material	LSZH	
Installation Temperature range (°C)		-5+50	
Operation temperature (°C)		-20+70	
Storage temperature (°C)		-20+70	
Tensile Strength(N)		≥ 150	
Min Bending Radius(mm)	Long term	10D	
	Installation	20D	

Crush Load (N/100mm)	Long term	100
	Installation	500

3. Standard color of tight buffer

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White
7	8	9	10	11	12
Red	Black	Yellow	Violet	Pink	Aqua
Color 13~24 will be marked with a color tracer.					

4. Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	850nm	≤3.0	dB/KM
	1300nm	≤1.5	dB/KM
Minimum Modal Bandwidth	850nm	600	MHz.km
	1300nm	1200	MHz.km
Zero dispersion wavelength		1295-1320	nm
Zero dispersion slope	1295-1300nm	≤0.001*(λ ₀ -1190)	ps/nm ² .km
	1300-1320nm	≤0.11	ps/nm ² .km
Backscatter Characteristics (1300nm)			
Step (mean of bidirectional measurement)		≤0.10	dB
Irregularities over fibre length and point discontinuity		≤0.10	dB
Attenuation uniformity		≤0.08	dB/KM
Numerical Aperture		0.200±0.015	-
Group Refractive Index	850nm	1.482	-
	1300nm	1.477	-
Geometrical Characteristics			
Core diameter		50±2.5	um
Cladding diameter		124.8±1.0	um
Cladding non-circularity		≤1.0	%
Coating diameter		245±7	um
Coating-cladding concentricity error		≤12.0	um
Coating non-circularity		≤6.0	%
Core-cladding concentricity error		≤1.0	um