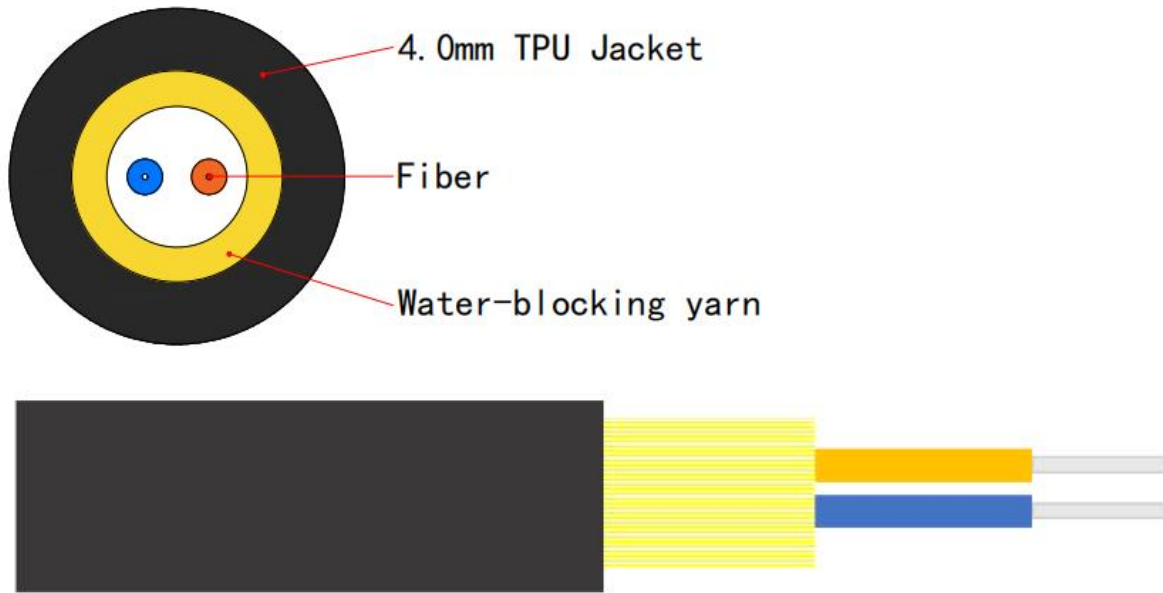


## Tactical Fiber Cable 2Cores

### Cable Structure:



### Cable parameters:

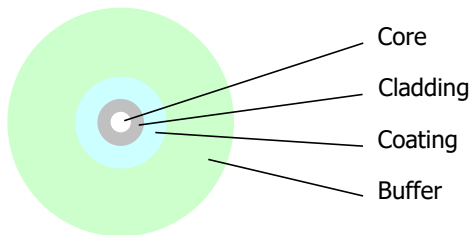
Fiber Core	Cable OD	Weight	Tensile strength N		Crush strength N/100mm		Minimum Bending Radius MM		Temp
	(mm)	kg/km	Long Term	Short Term	Long Term	Short Term	Dynamic	Static	°C
2	4.0	15	400	800	500	1000	20D	10D	-55 ~+85

Item	Description	Parameter
Size and appearance	OD	4.0mm ±0.2mm
	Color	Black
	Standard length	1000meter

Material	Fiber	0.9mm Tight buffer
	Strength member	Water-blocking Aramid Yarn
	Outer jacket	TPU Jacket
Fiber	Fiber type	SM/MM
	Cores	2Cores
	Colors	blue , Orange
Mechanical Characteristics	Allow tensile	Long term:400N
		Short term:800N
	Allow crush	Long term 500N/10cm
		Short term 1000N/10cm
Environment Characteristics	Operating temperature	-55°C~+85°C
	Storage temperature	-55°C~+85°C
Standard	International	GB/T 7424.1-2003; YD/T 1258.4-2005
		GJB 1428B-2009
Packing	Material of packing	Wooden drum or Trolley

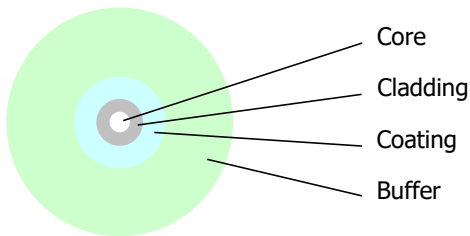
**Fiber Parameter**

9/125um SM Fiber



Item	Unit	Specification
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3
Dispersion	Ps/nm.km	1285~1330nm ≤ 3.5 1550nm ≤ 18.0
Zero dispersion wavelength	Nm	1300~1324
Zero dispersion slope	Ps/nm.km	≤ 0.095
Fiber cutoff wavelength	Nm	≤ 1260
Mode field diameter	Um	9.2 ± 0.5
Mode field concentricity	Um	<= 0.8
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending, dependence induced attenuation	1550nm, 1turns, 32mm diameter 100turns, 60mm diameter	≤ 0.5 db
Proof test	kpsi	≥ 100

**50/125 62.5/125 MM Fiber**



Item	Unit	Specification
Attenuation	dB/km	850 nm ≤ 3.5 1300 nm ≤ 1.5
Bandwidth	MHz-km	50/125um      62.5/125 um
		850 nm ≥ 200      850 nm ≥ 160
		1300 nm ≥ 200      1300 nm ≥ 200
Cladding diameter	um	125 ± 1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245 ± 10
bending, dependence induced attenuation	850nm, 1300nm 100turns, 75mm diameter	≤ 0.5 at 850 nm \ 1300 nm
Proof test	kpsi	≥ 100