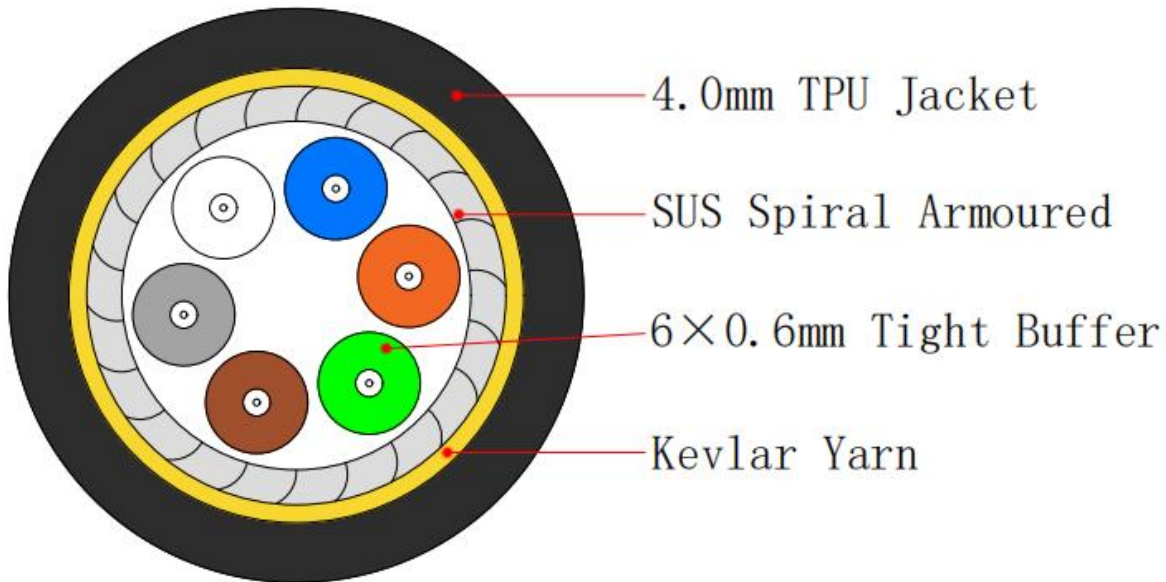


Armored Tactical Fiber Cable 6Cores

Cable Structure:

10*1500N Kevlar Yarns



Cable parameters:

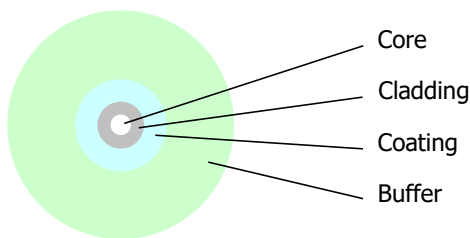
Fiber Core	Cable OD	Weight	Tensile strength N		Crush strength N/100mm		Minimum Bending Radius MM		Temp
	(mm)	kg/km	Long Term	Short Term	Long Term	Short Term	Dynamic	Static	°C
6	5.0	42	400	800	500	1000	20D	10D	-55 ~+85

Item	Description	Parameter
Size and appearance	OD	5.0mm ± 0.2mm
	Color	Black
	Standard length	1000meter
Material	Fiber	0.6mm Tight buffer

	Strength member	Kevlar Yarns
	Outer jacket	TPU Jacket
Fiber	Fiber type	SM/MM
	Cores	6Cores
	Colors	Blue , Orange , Green , Brown, Gray , White
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

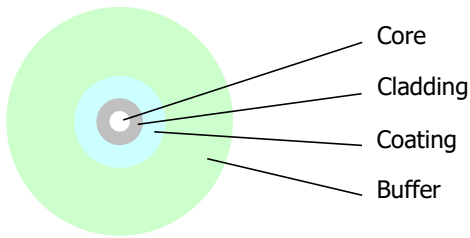
9/125um SM Fiber



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 100rums,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	