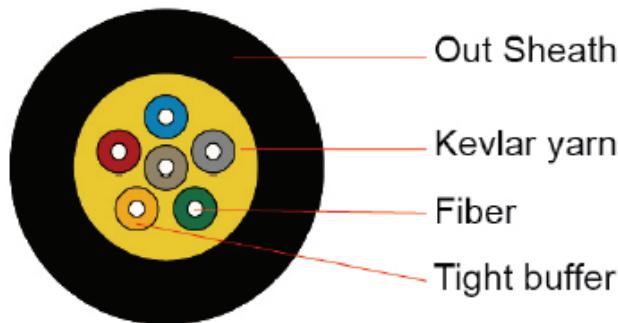


Mini Fan out Tight Buffer FO Cable



Application

- Used in Pigtails and Patchcords.
- Used as interconnect lines of equipments and used in optical connections in optical communication rooms and optical distribution frames .
- Used in indoor cabling, especially used as distribution cable.

Fibre Standard

- ITU-T G.652.D/G.657.A, IEC 60793-2-50 G677B.3

Characteristics

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards
- Meet various requirements of market and clients
- The mechanical characteristics of jacked meet the requirements of relevant standards.
- Soft,flexible,easy to lay and splice, and with big capacity data transmission.

Standard Compliance

- Temperature Cycling : IEC60794-1-2-F1
- Tensile Strength Crush : IEC60794-1-2-E1A
: IEC60794-1-2-E3
- Impact Test : IEC60794-1-2-E4
- Cable UV resistance : IEC60794-1-2,9.12
: IEC60794-1-2,F14
- Torsion Test : ISO 4892-2
: IEC60794-1-2-E7

Fibre Parameters

Fiber Style	Unit	SM	MM 50/125	MM 62.5/125
Condition	nm	1310/1550	850/1300	850/1300
Attenuation	dB/km	≤ 0.36/0.23	≤ 3.0/1.0	≤ 3.0/1.0
Dispersion	1310 nm	Ps/(nm*km)	≤ 18	.....
	1550 nm	Ps/(nm*km)	≤ 22	.....
Bandwidth	850 nm	MHZ.KM	.....	≥ 400
	1300 nm	MHZ.KM	.....	≥ 800
Zero dispersion wavelength	nm	≥1302≤	.....	.....
Zero dispersion slope	nm	≤0.091	.....	.....
PMD Maximum Individual Fiber		≤0.2	.....	.....
PMD Design Link Value	Ps/(nm ² *km)	≤0.08	.....	.....
Fiber cutoff wavelength λ_c	nm	≥1180≤	.....	.....
Cable cutoff wavelength λ_{cc}	nm	≤1260	.....	.....
MFD	1310 nm	um	9.2 ± 0.4	.....
	1550 nm	um	10.4 ± 0.8	.....
Numerical Aperture(NA)		.....	0.200 ± 0.015	0.275 ±
Step (mean of bidirectional measurement)	dB	≤0.05	≤0.10	≤0.10
Irregularities over fiber length and point discontinuity	dB	≤0.05	≤0.10	≤0.10
Difference backscatter coefficient	dB/km	≤0.03	≤0.08	≤0.10
Attenuation uniformity	dB/km	≤0.01	.....	.....
Core diameter	um		50 ± 1.0	62.5 ± 2.5
Cladding diameter	um	60.0 ± 0.1	60.0 ± 0.1	60.0 ± 0.1
Cladding non-circularity	%	≤1.0	≤1.0	≤1.0
Coating diameter	um	242 ± 7	242 ± 7	242 ± 7
Coating/chaffinch concentrically error	um	≤12.0	≤12.0	≤12.0
Coating non crircularity error	%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error	um	≤0.6	≤1.5	≤1.5
Curl(radius)	um	≤4	.....	.....



Environmental Characteristics

Item	Parameter	
Tension	Short Term	1200N
	Long Term	600N
Temperature range(C)	Transport & Storage	-20~+60
Minimum bending radius	Short Term	20D mm
	Long Term	10D mm

Geometric Characteristics

Characteristic	Specified Value	Unit
Cladding roundness	≤ 0.7	%
Cladding Diameter	125 ± 0.7	μm
Coating Diameter	245 ± 5	μm
Coating/Packaging Concentricity error	≤12.0	μm
Core/Packaging concentricity error	≤6.0	μm
The wrapage(radius)	≥ 4	m

Cable Mechanical Characteristics

Item	Cable Diameter	Weight
2 cores	4.5mm	25.00kg/km
4 cores	4.5mm	25.00kg/km
6 cores	4.5mm	26.00kg/km
8 cores	5.5mm	30.00kg/km
10 cores	6.0mm	33.00kg/km
12 cores	6.8mm	38.00kg/km
Storage temperature(°C)		-20+60
Min Bending Radius(mm)	Long Term	10D
Min Bending Radius(mm)	Short Term	20D
Min allowable Tensile Strength(N)	Long Term	600
Min allowable Tensile Strength(N)	ShortTerm	1200
Crush Load (N/100mm)	ShortTerm	3000



Ordering Information

Part Number	Product Description
RF2-2TPSMIO-TP	2 core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath
RF2-4TPSMIO-TP	4 Core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath
RF2-6TPSMIO-TP	6 Core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath
RF2-8TPSMIO-TP	8 Core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath
RF2-10TPSMIO-TP	10 Core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath
RF2-12TPSMIO-TP	12 Core mini fan out flame-retardant tight buffer cable, 09/125 micron Single mode, TPU Sheath

