

F50T-01A-LM-BR

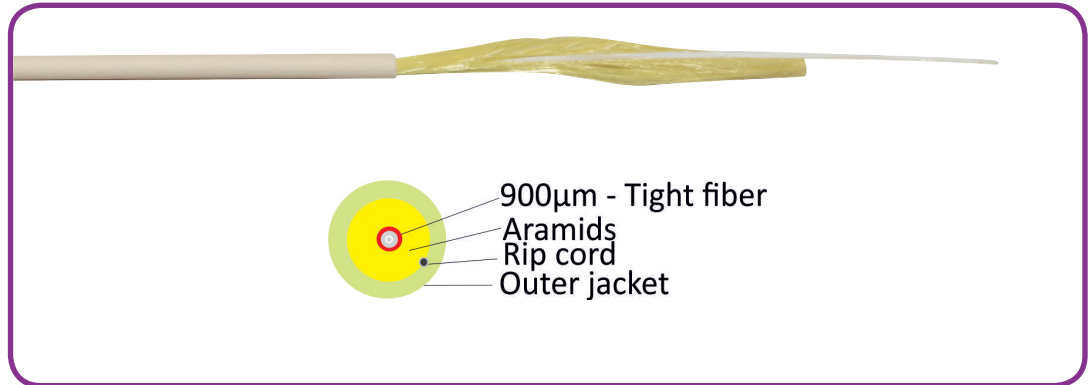
F50T-01A-LM-2K

Tight Single Mode fiber.

It is mainly used in interior layout of buildings. Especially suitable for installations ICT2.

Cable compact and light-weight structure.

1 fiber cable SM 9/125/900 G657A2 kevlar. Jacket LSZH-FR-UV ivory



Technical specifications

Structural specifications	Number of fibers		1	
	Diameter core and cladding		µm	9 / 125
	Tight buffered fiber	Diameter	µm	900 ±50
		Material	LSZH-FR	
		Color	Red	
	Rip cord	Material	Polyester yarns	
	Strenght member	Quantity	dtex	5x1200dtex
		Material	Aramids	
	Outer jacket	Outer diameter	mm	3 ±0.1
		Thickness	mm	0.7 ±0.02
		Material	LSZH-FR-UV	
		Color	Ivory - Pantone 7500U	

Fiber type	Singlemode G657A2	ITU-T G657 A2
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Optical characteristics	Parameter		Value		Method
	Mode field diameter	1310nm	µm	8.8 ± 0.4	IEC60793-1-45
		1550nm	µm	9.8 ± 0.5	IEC60793-1-45
	Cladding diameter		µm	124.8 ± 0.7	IEC60793-1-20
	No circularity of cladding		%	≤ 0.7	IEC60793-1-20
	Cladding concentricity error		µm	≤ 0.5	IEC60793-1-20
	Diameter over primary protection		µm	245 ± 5	IEC60793-1-21
	No circularity of the primary protection		%	≤ 6.0	IEC60793-1-21
	Concentricity error of the primary protection		µm	≤ 12	IEC60793-1-21
	Cutoff wavelength		nm	λ _{cc} ≤ 1260	IEC60793-1-44
	Atenuation (max)	1310nm	dB/km	≤ 0.4	IEC60793-1-40
		1550nm	dB/km	≤ 0.3	IEC60793-1-40
	Loss curvature radius	1 lap x radius 7,5mm @ 1550nm	dB	≤ 0.5	IEC60793-1-47
		1 lap x radius 7,5mm @ 1625nm	dB	≤ 1.0	IEC60793-1-47

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Mechanical and environmental Specifications	Parameter		Value		Method
	Traction (static)		N	100	IEC60794-1-2 E1
	Traction (dynamic-installation)		N	200	IEC60794-1-2 E1
	Crushing strength (static)		N/10cm	100	IEC60794-1-2 E3
	Crushing strength (dynamic-installation)		N/10cm	500	IEC60794-1-2 E3
	Minimum bend radius (static)		mm	10 x Ø	IEC60794-1-2 E6
	Minimum bend radius (dynamic-installation)		mm	30 x Ø	IEC60794-1-2 E6
	Flame propagation		✓		IEC60332-1-2
	Low smoke LS		✓		IEC61034-2
	Low zero halogen ZH		✓		IEC60754
	UV Protection		✓		IEC60794-1-22 F14
	Installation temperature range		° C	-20 ~ 60	
	Operating temperature range		° C	-40 ~ 70	
	Storage temperature range		° C	-30 ~ 70	

References		F50T-01A-LM-BR	F50T-01A-LM-2K
Packing		Plastic reel inside carton box 1000m	Wooden drum 2.000 m
Weight	kg	09	



Normative

ITU-T·G·657 A2
IEC-60794
IEC 60793
IEC61034
IEC60754
IEC60332-1

RoHS
Compliant

Edition: 3 / February 2017

Features and specifications subject to change without notice.