

F1A-02A-LN-BR

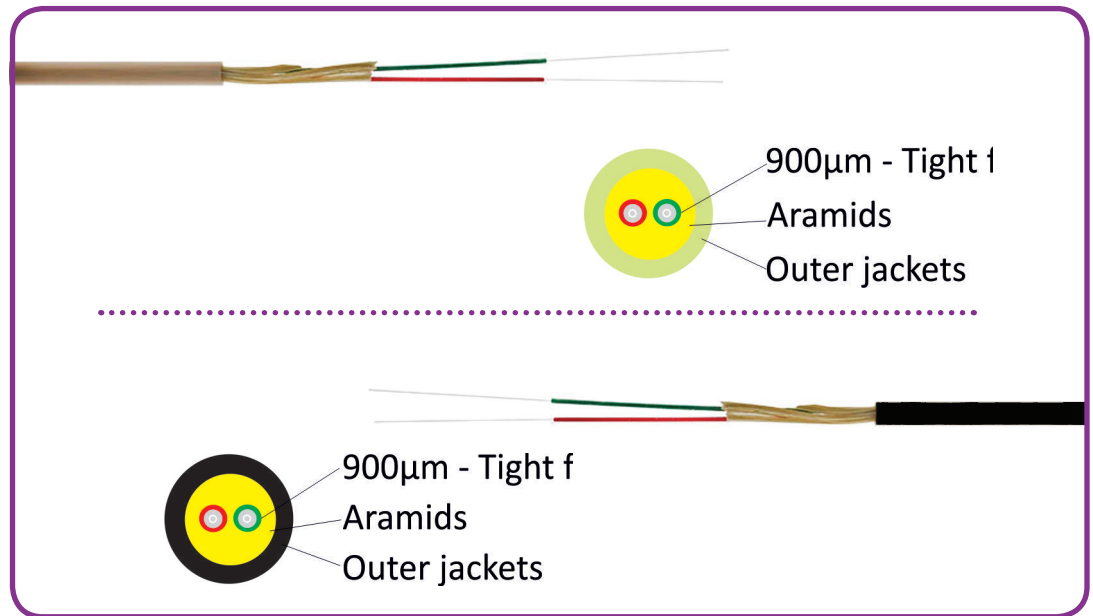
F1A-02A-LN-2K

F1A-02A-LM-BR

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It is mainly used in the distribution inside buildings. Especially suitable for ICT2 installations. Cable compact and lightweight structure. Very good mechanical qualities for its resistance to traction greater than 450N. Very easy to work with.

2 SM tight fibers cable 9/125/900 G657A2. LSZH-RF reinforced jacket



Technical specifications

Structural specifications	References		F1A-02A-LN-BR F1A-02A-LN-2K		F1A-02A-LM-BR F1A-02A-LM-2K	
	Number os fibers		2			
	Diameter core and cladding		μm	9 / 125		
	Tight fiber	Diámetro	μm	900 ±50		
		Material	LSZH-FR			
		Color	Green, red			
	Strenth	Quantity	dtex	1600x5		
		Material	Aramids			
	Outer jacket	Outer diameter	mm	4 ±0.1		
		Thickness	mm	2.8 ±0.02		
		Material	LSZH-FR-UV			
		Color	Black - RAL1004		Ivory - RAL 9015	
Fiber type			Singlemode G657A2		ITU-T G657 A2	

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	125	IEC60794-1-2 E1
	Traction (dynamic-installation)		N	250	IEC60794-1-2 E1
	Crushing strength (static)		N/10cm	150	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	-10 ~ 50	
	Operating temperature range		°C	-20 ~ 60	
	Storage temperature range		°C	-20 ~ 60	

References		F1A-02A-LN-BR F1A-02A-LM-BR	F1A-02A-LN-2K F1A-02A-LM-2K
Packing		Individual reel+carton 1000m	Wooden reel 2000m
Weight		kg	



Standards and certificates

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

RoHS
Compliant

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Features and specifications subject to change without notice.