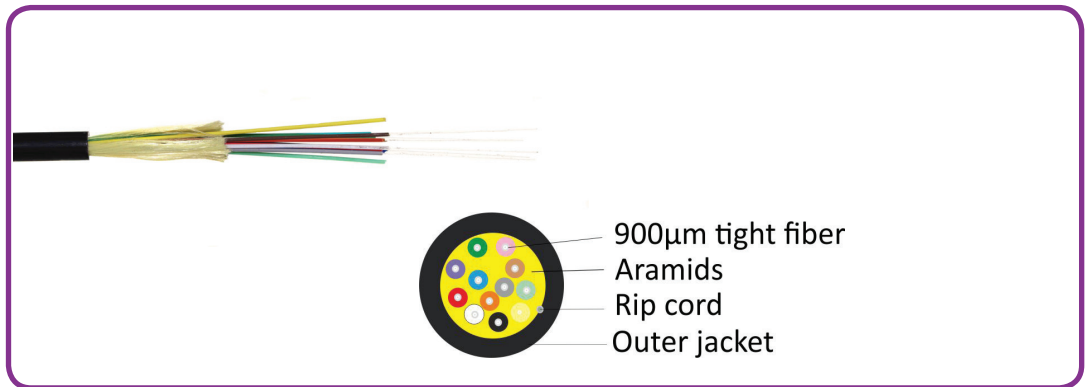


F1A-12A-L

It is mainly used in the distribution within buildings, including ICT2 facilities. Compact and lightweight structure. Very good mechanical qualities for interior lying. Easy to work.

12 SM tight fibers cable 9/125/900 G657A2. LSZH-FR black reinforced jacket



Technical specifications

Structural specifications	Number of fibers		12	
	Diameter core and cladding		µm	9 / 125
	Tight fiber	Diameter	µm	900 ±50
		Material	LSZH-FR-UV	
		Color	Green, red, blue, yellow, grey, violet, brown, orange, white, rose, turquoise, light green	
	Strenth	Quantity	dtex	10x3200
		Material	Aramids	
	Outer jacket	Outer diameter	mm	6.2 ±0.2
		Thickness	mm	1.3 ±0.02
		Material	LSZH-FR-UV	
		Color	Black - RAL1004	

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

F1A-12A-L

Mechanical and environmental Specifications	Parameter	Value		Method
	Traction (static)	N	500	IEC60794-1-2 E1
	Traction (dynamic-installation)	N	1000	IEC60794-1-2 E1
	Crushing strength (static)	N/10cm	300	IEC60794-1-2 E3
	Crushing strength (dynamic-installation)	N/10cm	1000	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	-40 ~ 70	

Packing	Reel 2.000 m	
Weight	kg	37



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.