

F55K-01A-4PN-BR

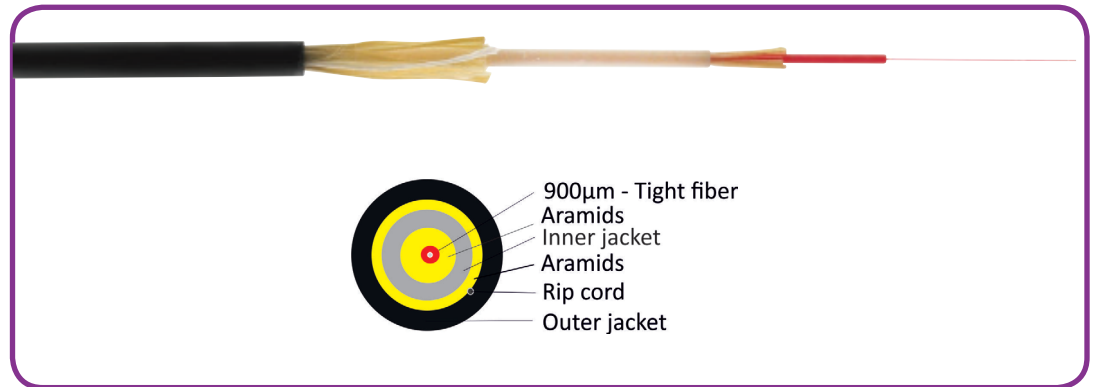
F55K-01A-4PN-2K

Tight Single Mode fiber. Especially suitable for FTTH.

The double jacket (black PE outer and inner ivory LSZH) is especially suitable for installations where greater protection and endurance required as aerial lines. The black outer cover can be removed easily to enter the user's home with the inside jacket ivory whose diameter is smaller and more aesthetically appropriate.

This cable can be supplied pre-assembled as patch cords and pigtails.

1 fiber cable SM 9/125/900 G657A2 double jacket LKP PE-FR black



Technical specifications

Structural specifications	Number of fibers		1	
	Diameter core and cladding		µm	9 / 125
	Tight buffered fiber	Diameter	µm	900 ±50
		Material	LSZH	
		Color	Red	
	Strenght member inner	Quantity	dtex	3x600
		Material	Aramids	
	Rip cord	Material	Polyester yarns	
	Inner jacket	Outer diameter	mm	2.00 ±0.05
		Thickness	mm	0.30 ±0.02
		Material	LSZH-FR	
		Color	Ivory - pantone 7500U	
	Strenght member	Quantity	dtex	6x1200
		Material	Aramids	
	Outer jacket	Outer diameter	mm	4 ±0.1
		Thickness	mm	0.6 ±0.02
		Material	PE-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

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Mechanical and environmental Specifications	Parameter	Value		Method
	Traction (static)	N	140	IEC60794-1-2 E1
	Traction (dynamic-installation)	N	270	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	-30 ~ 60	
	Storage temperature range	°C	-20 ~ 60	

References		F55K-01A-4PN-BR	F55K-01A-4PN-2K
Packing		Plastic reel inside carton box 1000m	Wooden drum 2.000 m
Weight	kg	13	32



Normative

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.