

Product information – OpDAT simplex patch cord for FITH applications



Simplex patch cord to connect fiber optic wall outlets to the terminal device in FITH applications.

Properties

- > With connector types:
 - LC APC (green) and LC UPC (blue)
 - SC APC (green) and SC UPC (blue)
- > With bend insensitive single mode fiber according to ITU-T G.657.A2
- > Now available with plugs of quality class **Grade B**. In this case, particularly low insertion loss values are achieved by selecting and processing the plug ferrules.
- > Cable jacket LSHF-FR low smoke development, halogen free, flame retardant
- > Outer diameter 2.0 mm
- > Color: yellow
- > 100 % tested for insertion loss and return loss
- > All patch cords are provided with a serial number
- > Available in lengths between 0.2 and 20 m

Areas of use

- > Indoor applications

Specifications

USED CONNECTORS		SC STANDARD		SC GRADE B 	LC STANDARD	LC GRADE B 
IEC				61754-4	61754-20	
Insertion loss (IEC 61300-3-4 Methode B)	Max.	0.3 dB ¹⁾		0.25 dB ²⁾	0.3 dB ¹⁾	0.25 dB ²⁾
	Typ.	0.15 dB ¹⁾		0.15 dB ²⁾	0.15 dB ¹⁾	0.15 dB ²⁾
Return loss	UPC polishing			> 50 dB	> 50 dB	
	APC polishing			> 65 dB	> 65 dB	

¹⁾ measured against Master

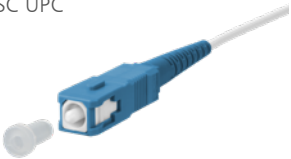
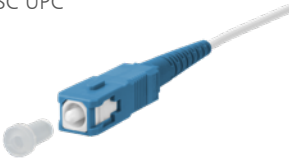
²⁾ measured in random combination

MECHANICAL PROPERTIES		SC	LC
Standard	IEC	61754-4	61754-20
	TIA/EIA	604-3	604-10-A
Ceramic ferrule	Diameter	2.5 mm	1.25 mm
Color	UPC polishing	blue	blue
	APC polishing	green	green
Tensile strength	min.	70 N	70 N
Mating cycles	min.	1000	1000

CABLE	SIMPLEX PATCH CORD
Cable type	I-V(ZN)H 1
Color	white
Outer diameter	2.8 mm
Cable weight	9.0 kg/km
Min. bending radius (installation)	20 mm
Fire behavior	Flame retardancy according to IEC 60332-1-2
	Halogen free according to IEC 60754-1
	Smoke density according to IEC 61034-2

USED FIBER TYPE		SINGLE MODE
ISO/IEC 11801 / EN 50173		OS2, 9/125 μm
IEC		60793-2-50 B6_a and B6_b
ITU-T		G.657.A2, G.657.B2 and G.652.D
Attenuation	1310 to 1383 nm	≤ 0.38 dB/km
	1550 nm	≤ 0.23 dB/km
	1310 to 1625 nm	≤ 0.25 dB/km

Specifications

CONNECTOR A	CONNECTOR B	LENGTH	P/N	P/N GRADE B
SC APC 	SC APC 	0.5 m	151P7EAEA05E	151P7ECEC05E
		1.0 m	151P7EAEA10E	151P7ECEC10E
		2.0 m	151P7EAEA20E	151P7ECEC20E
		3.0 m	151P7EAEA30E	151P7ECEC30E
		5.0 m	151P7EAEA50E	151P7ECEC50E
SC APC 	SC UPC 	0.5 m	151P7EOEA05E	151P7EBEC05E
		1.0 m	151P7EOEA10E	151P7EBEC10E
		2.0 m	151P7EOEA20E	151P7EBEC20E
		3.0 m	151P7EOEA30E	151P7EBEC30E
		5.0 m	151P7EOEA50E	151P7EBEC50E
LC APC 	LC APC 	0.5 m	151P7JAJA05E	151P7JCJC05E
		1.0 m	151P7JAJA10E	151P7JCJC10E
		2.0 m	151P7JAJA20E	151P7JCJC20E
		3.0 m	151P7JAJA30E	151P7JCJC30E
		5.0 m	151P7JAJA50E	151P7JCJC50E
LC APC 	SC UPC 	0.5 m	151P7EOJA05E	151P7EBJC05E
		1.0 m	151P7EOJA10E	151P7EBJC10E
		2.0 m	151P7EOJA20E	151P7EBJC20E
		3.0 m	151P7EOJA30E	151P7EBJC30E
		5.0 m	151P7EOJA50E	151P7EBJC50E
LC APC 	SC APC 	0.5 m	151P7EAJA05E	151P7ECJC05E
		1.0 m	151P7EAJA10E	151P7ECJC10E
		2.0 m	151P7EAJA20E	151P7ECJC20E
		3.0 m	151P7EAJA30E	151P7ECJC30E
		5.0 m	151P7EAJA50E	151P7ECJC50E
LC APC 	LC UPC 	0.5 m	151P7JOJA05E	151P7JBJC05E
		1.0 m	151P7JOJA10E	151P7JBJC10E
		2.0 m	151P7JOJA20E	151P7JBJC20E
		3.0 m	151P7JOJA30E	151P7JBJC30E
		5.0 m	151P7JOJA50E	151P7JBJC50E

You can combine all available combinations with the help of our cable configurator:
www.metz-connect.com/configurator



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