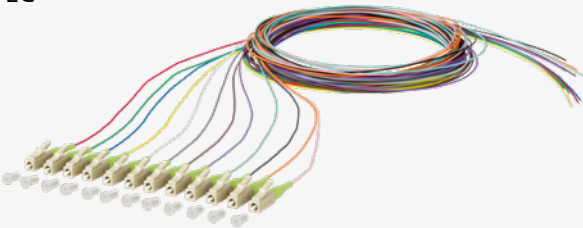
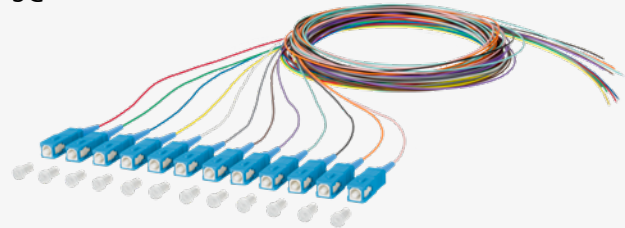


# Product information – OpDAT Pigtails

LC



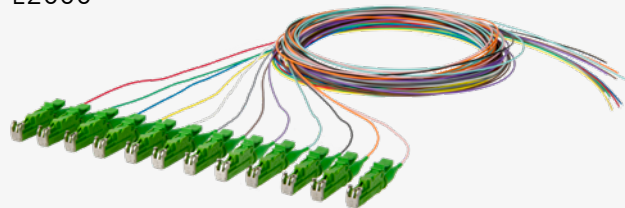
SC



ST



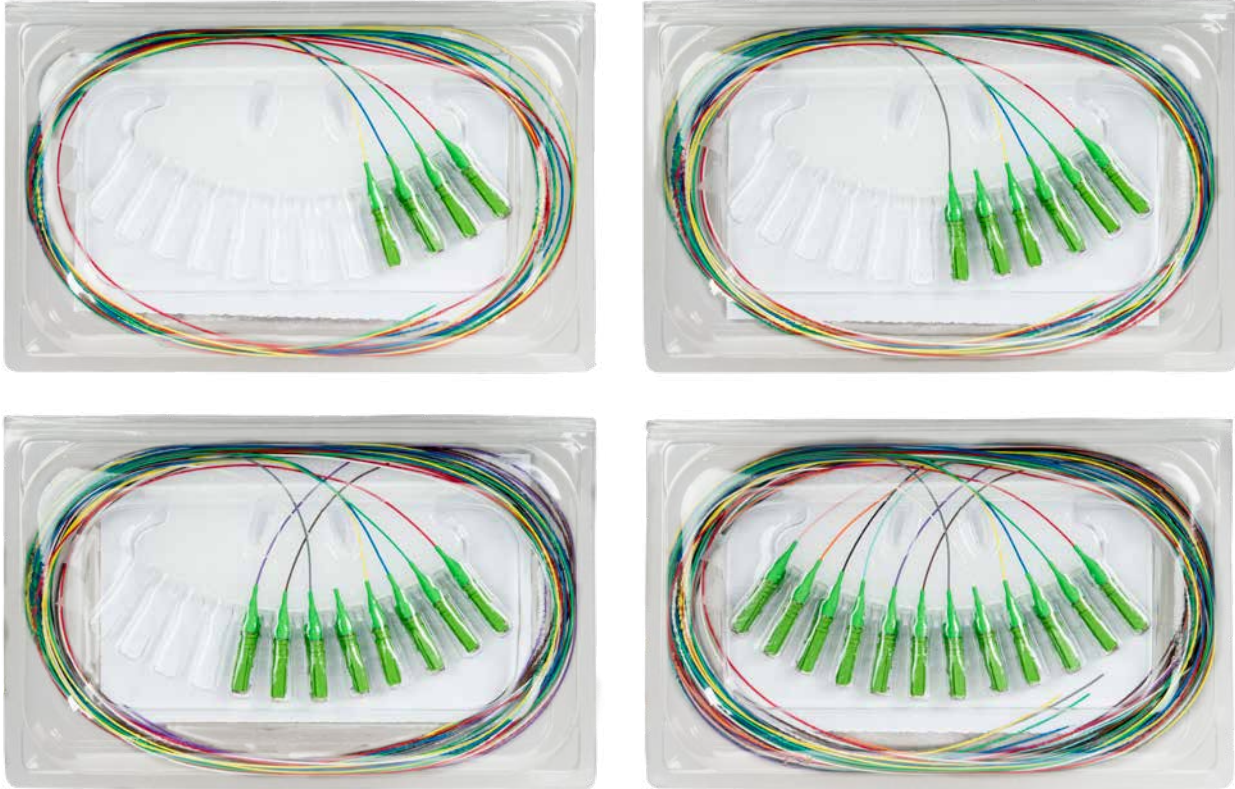
E2000



- > Pigtails with connector types LC, SC, ST and E2000
- > available with connectors of quality class **Grade B**.  
In this case, particularly low insertion loss values are achieved by selecting and processing the connector ferrules.
- > available fiber types for multi mode (G50/125 $\mu$ m): OM3, OM4, OM5
- > available fiber types for single mode (E9/125 $\mu$ m): OS2
- > all fibers are bend insensitive
- > Compact wire with a diameter of 0.9 mm, length 2 m.  
Primary and secondary coating are of the same colour.  
Can be stripped up to 1 m in one step
- > available as individual pigtail or in sets of 4, 6, 8 or 12 pigtails

- > Safe transport and safe storage by a specially designed blister packaging
- > Single mode pigtails are tested by 100 % on insertion loss and return loss at 1310 and 1550 nm. An interferometer measurement is done in addition. Multi mode pigtails are tested by 100 % on insertion loss at 850 and 1300 nm. The measuring protocol is supplied with the pigtails. The measurement is followed by a final visual control of the connectors according to IEC 61300-3-35.
- > all products are accompanied by an adhesive label with the serial number. This label can be stuck into the splice trays for example to assure traceability.

## Blister Packaging



## Single Packaging



## Product informations

OPTICAL PROPERTIES			SC	LC	E2000	ST
IEC			61754-4	61754-20	61754-15	61754-2
MM	Insertion loss (against master) <sup>2)</sup>	max.	0.4 dB	0.4 dB	0.4 dB	0.4 dB
		typical	0.2 dB	0.2 dB	0.2 dB	0.2 dB
	Return loss	PC polishing	> 35 dB	> 35 dB	> 35 dB	> 35 dB
SM Standard	Insertion loss (against master) <sup>1)</sup>	max.	0.3 dB	0.3 dB	0.3 dB	0.4 dB
		typical	0.15 dB	0.15 dB	0.15 dB	0.2 dB
	Return loss	UPC polishing	> 50 dB	> 50 dB	> 50 dB	> 50 dB
		APC polishing	> 65 dB	> 65 dB	> 65 dB	-
SM <b>GRADE B</b>	Insertion loss (random combination) <sup>1)</sup>	max.	0.25 dB	0.25 dB	0.25 dB	-
		typical	0.15 dB	0.15 dB	0.15 dB	-
	Return loss	UPC polishing	> 50 dB	> 50 dB	> 50 dB	> 50 dB
		APC polishing	> 65 dB	> 65 dB	> 65 dB	-

<sup>1)</sup> IEC61300-3-4 method B, that means the measured value is valid for the individual connector without fiber attenuation

<sup>2)</sup> IEC61300-3-4 method C, that means the measured value is valid for both connectors without fiber attenuation

MECHANICAL PROPERTIES			SC	LC	ST	E2000
available with fiber type	OM3, OM4		●	●	●	OM4
	OM5		●	●	-	-
	OS2		●	●	●	●
Standard	IEC		61754-4	61754-20	61754-2	61754-15
	TIA/EIA		604-3	604-10-A	604-2	604-16
Ceramic ferrule	Diameter		2.5 mm	1.25 mm	2.5 mm	2.5 mm
Connector color	MM	PC polishing	beige	beige	metal	beige
		UPC polishing	blue	blue	metal	blue
	SM	APC polishing	green	green	-	green
Tensile strength	min.					5 N
Mating cycles	min.					1000

## Product informations

FIBER TYPE	MULTIMODE			SINGLEMODE	
	IEC 11801	OM3	OM4	OS2	
Standard	IEC	60793-2-10 A1a.2	60793-2-10 A1a.3	60793-2-10 A1a.4	60793-2-50 B.1.3 and B.6_a
	ITU-T			G.651.1	G.657.A1 and G.652.D
Fiber structure				50/125 $\mu\text{m}$	9/125 $\mu\text{m}$
Color of buffered fiber (individual pigtails)		aqua	violet	lime green	yellow
Color sequence in the sets according to IEC 60304		red, green, blue, yellow, white, gray, brown, violet, turquoise, black, orange, pink			

Just use our pigtail configurator available on our web site at [www.metz-connect.com/configurator](http://www.metz-connect.com/configurator).  
This allows you to configure pigtails individually according to your requirements and order them directly.

