How IDMK configuration strings are built

The configurator on the IDMK website generates a configuration reference for every build you set up. The string is a quoting and tracking reference — it is not a published catalog SKU and does not confirm price, inventory, or `[Lead time]`.

ANATOMY — NINE SEGMENTS JOINED BY HYPHENS



Segments

#	SEGMENT	MEANING	CODES
1	**IDMK**	Prefix	`Fixed`
2	**TYPE**	Build type	`ASM · KIT`
3	**END A**	Connector + polish, end A	`LCU · SCA · MPO …`
4	**END B**	Connector + polish, end B	`LCU · SCA · XXX …`
5	**FIBER**	Fiber type	`OS2 · OM3 · OM4`
6	**JACKET**	Jacket rating	`OFNR · OFNP …`
7	**LENGTH**	Length + unit	`0010F · 2P5M`
8	**FANOUT**	Fanout leg length	`FO00 · FO10 …`
9	**PKG**	Packaging & labeling	`BAG · KIT …`

Connector + polish codes (End A, End B)

CONNECTOR	UPC	APC
LC	LCU	LCA
SC	SCU	SCA
FC	FCU	FCA
ST	STU	STA
MPO	MPO	MPOA
None (pigtail) — End B only	XXX (polish ignored)	

Rule: connector + `U` (UPC) or `A` (APC). MPO is the exception: `MPO` for UPC, `MPOA` for APC. End A always has a connector; only End B may be “None”.

Length code

ENTERED	CODE
10 ft	**0010F**
25 ft	**0025F**
100 ft	**0100F**
3 m	**0003M**
0.5 m	**0P5M**
2.5 m	**2P5M**
1.25 m	**1P3M**
1500 ft	**1500F**

Rounded to 0.1. Whole numbers are zero-padded to 4 digits; decimals replace “.” with `P` (not padded). Unit suffix: `F` feet, `M` meters.

Build rule

```
IDMK-{TYPE}-{END A}-{END B}-{FIBER}-{JACKET}-{LENGTH}{UNIT}-{FANOUT}-{PKG}

END code  = NONE ? "XXX" : MPO ? (APC ? "MPOA" : "MPO") : CONN + (APC ? "A" : "U")
LENGTH    = round(value, 0.1) → whole: pad to 4 digits ("0025") · decimal: "." → "P" ("2P5")
```

Code tables

Type

ASM	Fiber cable assembly
KIT	Custom kit program

Jacket

OFNR	Riser (OFNR)
OFNP	Plenum (OFNP)
LSZH	LSZH (low smoke, zero halogen)
IO	Indoor / Outdoor
OSP	Outdoor / OSP

Fanout

F000	None (patch / simplex-duplex)
F005	0.5 m fanout
F010	1.0 m fanout
FOXX	Custom fanout (described in quote)

Fiber

OS2	Single-mode OS2
OM3	Multimode OM3
OM4	Multimode OM4

Packaging & labeling

BAG	Standard bag & label
KIT	Kit bag + packing list
LBL	Individually labeled units
JOB	Job-pack / crew kit
JIT	Just-in-time staged release

Worked examples

Generated with the same rules the site configurator uses.

CONFIGURATION	CONFIGURATION REFERENCE
Configurator default: LC/UPC to LC/UPC patch, OS2 riser, 10 ft, bag & label	**IDMK-ASM-LCU-LCU-OS2-OFNR-0010F-F000-BAG**
SC/APC to LC/UPC kit, OM4 plenum, 25 ft, 1.0 m fanout, kit bag (example shown on site)	**IDMK-KIT-SCA-LCU-OM4-OFNP-0025F-F010-KIT**
LC/UPC to SC/APC jumper, OS2 riser, 3 m, individually labeled	**IDMK-ASM-LCU-SCA-OS2-OFNR-0003M-F000-LBL**
SC/APC pigtail, OS2 indoor/outdoor, 1.5 m, bag & label	**IDMK-ASM-SCA-XXX-OS2-IO-1P5M-F000-BAG**
MPO to LC/UPC harness, OM4 plenum, 5 m, 0.5 m fanout, job-pack	**IDMK-ASM-MPO-LCU-OM4-OFNP-0005M-F005-JOB**
MPO-APC trunk, OS2 LSZH, 30 m, just-in-time release	**IDMK-ASM-MPOA-MPOA-OS2-LSZH-0030M-F000-JIT**
FC/APC to ST/UPC, OS2 OSP, 100 ft, custom fanout, kit program	**IDMK-KIT-FCA-STU-OS2-OSP-0100F-FOXX-KIT**
ST/UPC to SC/UPC, OM3 riser, 2.5 m, bag & label	**IDMK-ASM-STU-SCU-OM3-OFNR-2P5M-F000-BAG**

Notes

- Quantity is entered in the configurator but is **not** encoded in the string — it travels with the quote request.
- The configurator does not block unusual combinations (e.g. APC polish on multimode). Every configuration is confirmed during Prototype & Spec before production.
- Custom fanouts (`FOXX`) and requirements beyond these options are described in the quote form notes.