BEA Injection 3fer — shop built

Wire diagram · build 9 (6 + 3 spare) · prototype 1 first · KG3 · BEA 2026 (Beabadoobee Headline Tour) · rev Aug 31, 2026

What it is: the mid-span injection tee: **one feed in, two segment leads, one through leg** that continues down the chain. No molded 4-way exists from the vendor, so these are **shop built** with a junction: **12/3 SOOW, all four legs 3 ft, NL4 end on every leg**. Build 9: 6 in service + 3 spare. Build ONE first and have Kenny or Chance eyeball it before running the rest.

Wire map — POWER ONLY, all legs common conductor to conductor

CONDUCTOR (VERIFY AT BENCH)	NL4 PIN	FUNCTION
Black	**1+**	+24V leg 1
Red	**2+**	+24V leg 2
White	**1–**	shared GND (V–)
—	**2–**	EMPTY, capped and labeled

Where it goes

POSITION	LEG ROLES
Upper runs at a mid-span column (DSP, USP, AP1, AP2)	feed in from above · one lead to the segment END arriving at the column · one lead to the segment START leaving it · through leg continues down. **The two segments never tie together.**

> **Never at end columns** - those are 2fers only. Chain drawing: bea.kg3.io/power.

KG3 LLC · Nashville TN · Build per the KG3 Cable Build Standard: label under clear heat shrink 9 in from the stripped end BEFORE terminating · continuity test every conductor end to end · log the build on the NeonOS cable build page. POWER ONLY tees: never land a tee leg on a data-carrying NL4 point. Verify jacket conductor colors at the bench before terminating; if they are not black, red and white, STOP and post a photo in Discord bea-packing.