This guide describes spider breakout kit installation on 250 µm optical fiber. Installation factors such as available cable slack, location of the termination hardware and the question of build tube slack storage as opposed to cable slack can dictate when and where you choose to mount the cable end and assemble your breakout kit.

Each Breakout Kit Contains
A. Insert block furcation tube assembly  
   (1 for 6 fiber, 2 for 12 fiber)
B. Outer Shell
C. Housing
D. Grommet Strain Relief Boot
E. Nut
F. Screw (x2)
G. Crimp (not used in these instructions)
H. Crimp Ring (not used in these instructions)
I. 6 Fiber Bushing (not used in these instructions)
J. 12 fiber Bushing (not used in these instructions)
K. Plug - used with 6 strand kit only

Required Tools
a. Fiber Optic Strippers
b. Aramid Shears
c. Pliers
d. Ruler
e. Tape
f. Marker

1. Slide included nut and grommet strain relief boot onto cable.
2. Measure the tubing down the length of the cable. Place a mark 6”/15 cm from the end of the tubing.
3. Using the fiber strippers’ 2.0 mm opening, remove the jacket at marking so that the exposed fiber is equal to the breakout tubing and assembly plus 6” or 15 cm.
4. Working on a flat surface with an edge, tape down the cable.
5. Separate aramid yarns from fiber. Cut yarns approximately 6”/15 cm from end of jacket.
6. Slide housing over exposed fibers. For six fiber kit, place fibers 1-6 all on one side of housing. If installing 12 fiber kit place fibers 7-12 on other side.
7. Untape cable. Slide grommet strain relief and nut forward on the jacket and position end of cable jacket even with the slits in the grommet strain boot.

8. Position aramid yarns through one of slits in boot. Hold yarns along cable jacket.

9. Bring housing forward and tighten one full turn to lock in the yarns. Cut yarns closely to housing. Tighten housing until secure.

10. Working on flat surface with an edge, tape down housing assembly so end of the housing is 2"/5 cm from edge. Drape fibers over edge so fibers 1-6 are positioned upwards.

11. Tape insert block section of the furcation tube assembly to edge of the surface so tubes hang down to floor. Untangle fibers so each can be separated back to the point where it exits the housing assembly.

12. Insert fiber 1 through matching colored furcation tube block until fiber exits far end of the tubing. Ensure fibers are not twisted. Repeat process for fibers 2-6. For 12 fiber kit, remove tape from housing, rotate housing 180° and tape down.

13. Remove block furcation tube assembly from work surface. Slide assembly toward housing and insert block into place on housing. For 12 fiber kit, tape block tube assembly for fibers 7-12 to edge of surface. Insert fibers and insert block into housing.

14. For 6 fiber kit, insert filler plug into unused side of housing. With notches forward toward furcation tubing, slide outer shell over tubing and onto housing. Align notches and screw holes in housing and shell.

15. Insert two screws and tighten.