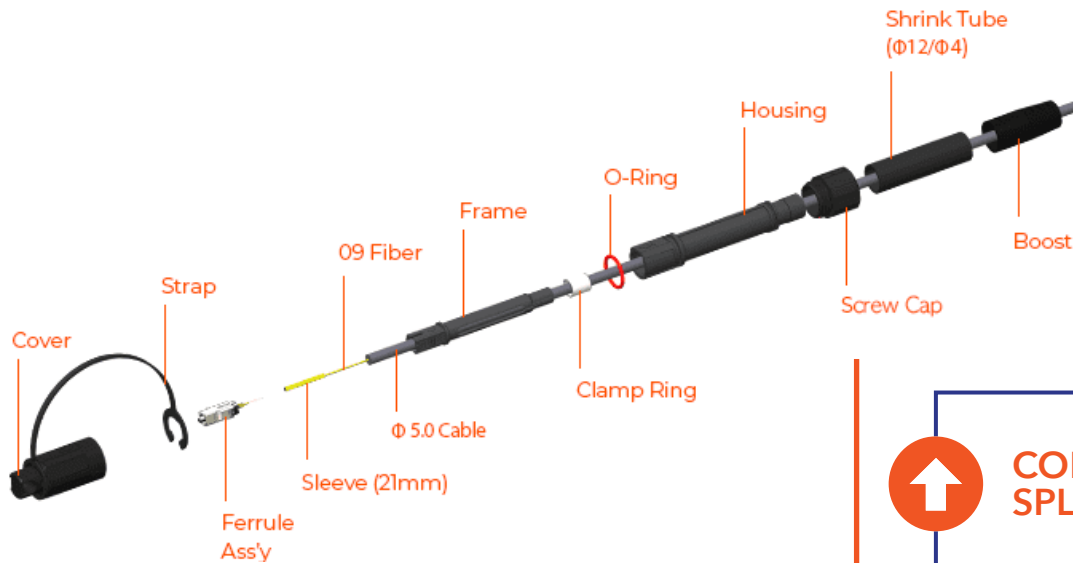




## BENEFITS AND FEATURES

Environmentally robust to provide a reliable interface in the outside plant environment

Simplifies installation and maintenance in the FTTP(Fiber to the premises) network

Protects against extreme temperature, moisture, UV, chemical exposure and other harsh conditions

Provide cost savings by reducing wasted cable slack

Easily terminates in the field for onsite maintenance and performance-driven connections



## APPLICABLE CABLES

ROC drop dielectric cable 5.4 x 3.0mm with 900 $\mu$ m; SST-drop outdoor dielectric cable 8.1 x 4.5mm with 250 $\mu$ m or 900 $\mu$ m; Drop dielectric cable 5.0 x 2.0mm with 250 $\mu$ m



## COMPATIBLE SPLICERS



KF4A-HDC  
PREMIUM FUSION SPLICER



K33A-HDC  
PREMIUM FUSION SPLICER



## PART INFORMATION

Hardened FSOE

Mating Types  
CR : Corning CR Compatible  
PSPL : Push Pull type

# HFSOC-B3-SC/APC-PSPL-5000

Fiber Types  
D0 : G.652.D  
A1 : G.657.A1  
A2 : G.657.A2  
B3 : G.657.B3  
M1 : OM1  
M2 : OM2  
M3 : OM3  
M4 : OM4

Connector Types  
SC/UPC  
SC/APC  
MPO/UPC  
MPO/APC

Cable Types  
5000 : Round 5.0mm  
5430 : ROC 5.4x3.0mm  
5800 : Round 5.8mm  
6100 : Round 6.1mm  
8154 : SST 8.1x4.5mm



## TECHNICAL SPECIFICATIONS

### OPTICAL PERFORMANCE

|                        | Insertion loss           | Return loss                |
|------------------------|--------------------------|----------------------------|
| Singlemode (OS1 & OS2) | Typ. 0.15db, max. 0.30db | Min 55db (UPC), 65db (APC) |



## PERFORMANCE TEST

| TEST                                 | RESULT                                                        |
|--------------------------------------|---------------------------------------------------------------|
| Thermal age testing                  | 85°C, 7 days                                                  |
| Thermal cycle test                   | -40°C to +75°C, 7 days                                        |
| Humidity aging test                  | 75°C, 95% RH, 7 days, measurements every 6 hrs minimum        |
| Humidity/Condensation cycling test   | -10°C to +65°C, 90% ~ 100% RH, 7 days                         |
| Dry-Out step                         | 24 hrs at 75°C, uncontrolled humidity                         |
| Post-condensation thermal cycle test | -40°C to +75°C, 7 days                                        |
| Vibration test                       | 10 ~ 55 Hz, 45 Hz/min, 2 hrs at amplitude of 1.5mm X/Y/Z axis |
| Water resistance                     | No water intrusion after 7 days, 10 ft water head             |



## MECHANICAL PERFORMANCE TEST

| TEST                                   | RESULT                                                                                                                                                                                   |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flex test                              | 8 flex cycles at +/-90°, 4.5 kgf (-10 lbf) load, -30°C and 40°C                                                                                                                          |
| Flex test                              | 10 torsion cycles at +/-90°, -30°C and 40°C, twist 1 meter back                                                                                                                          |
| Proof test                             | Plug/Cap straight pull (0°), 20 kgf (44 lbf), 10 minutes<br>Plug/Adapter straight pull (0°), 11.3 kgf (25 lbf), 60 seconds<br>Plug/Adapter side pull (90°), 6.8 kgf (15 lbf), 60 seconds |
| Transmission with applied tensile load | 0°, 90°, 135° respectively, 4.5 kgf, 30 minutes                                                                                                                                          |
| Impact                                 | 5 m drop 3 axes on rigid flat surface                                                                                                                                                    |
| Durability                             | 50 matings                                                                                                                                                                               |
| Seal under load                        | 7 days at 23°C, 10 ft water head, 2.5 lb - 90°, no damage                                                                                                                                |