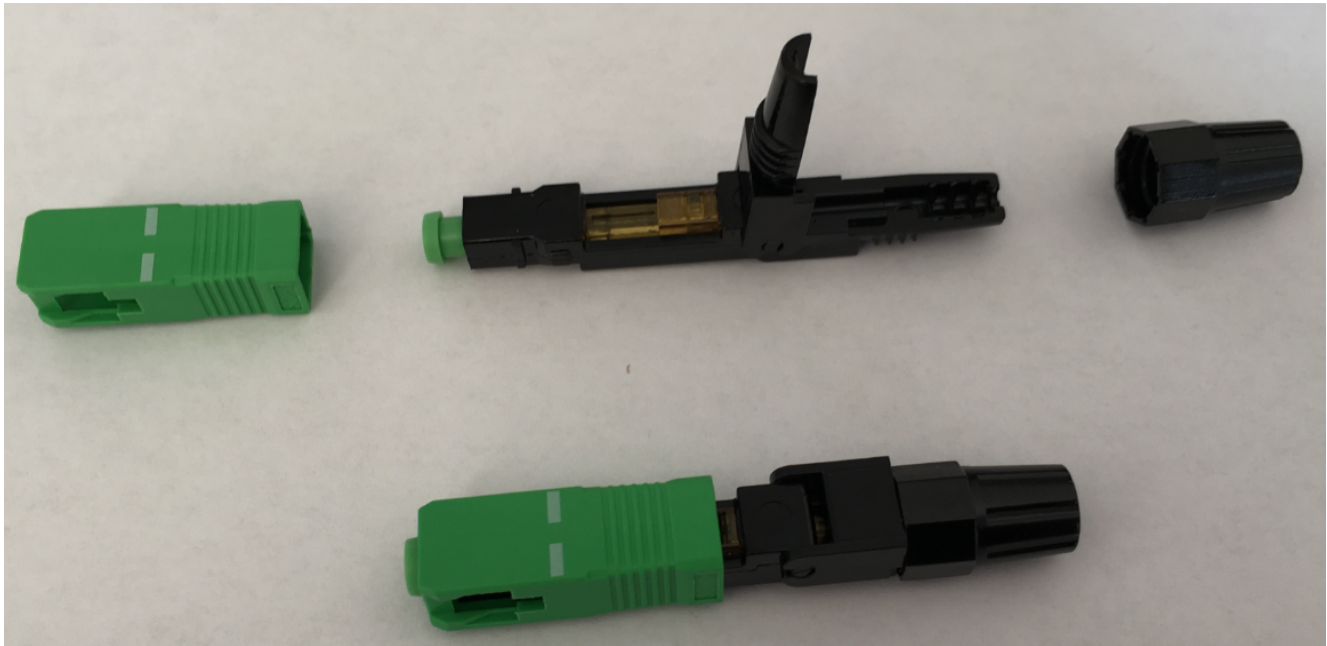


FIBER OPTIC FAST CONNECTOR

CM-SCAPC



General Description

SC and SC/APC fast field assembly connectors, for 3.0mm round cable and 2.0*3.0mm flat cable. Mainly used in FTTH, FTTX and Outside Plant.

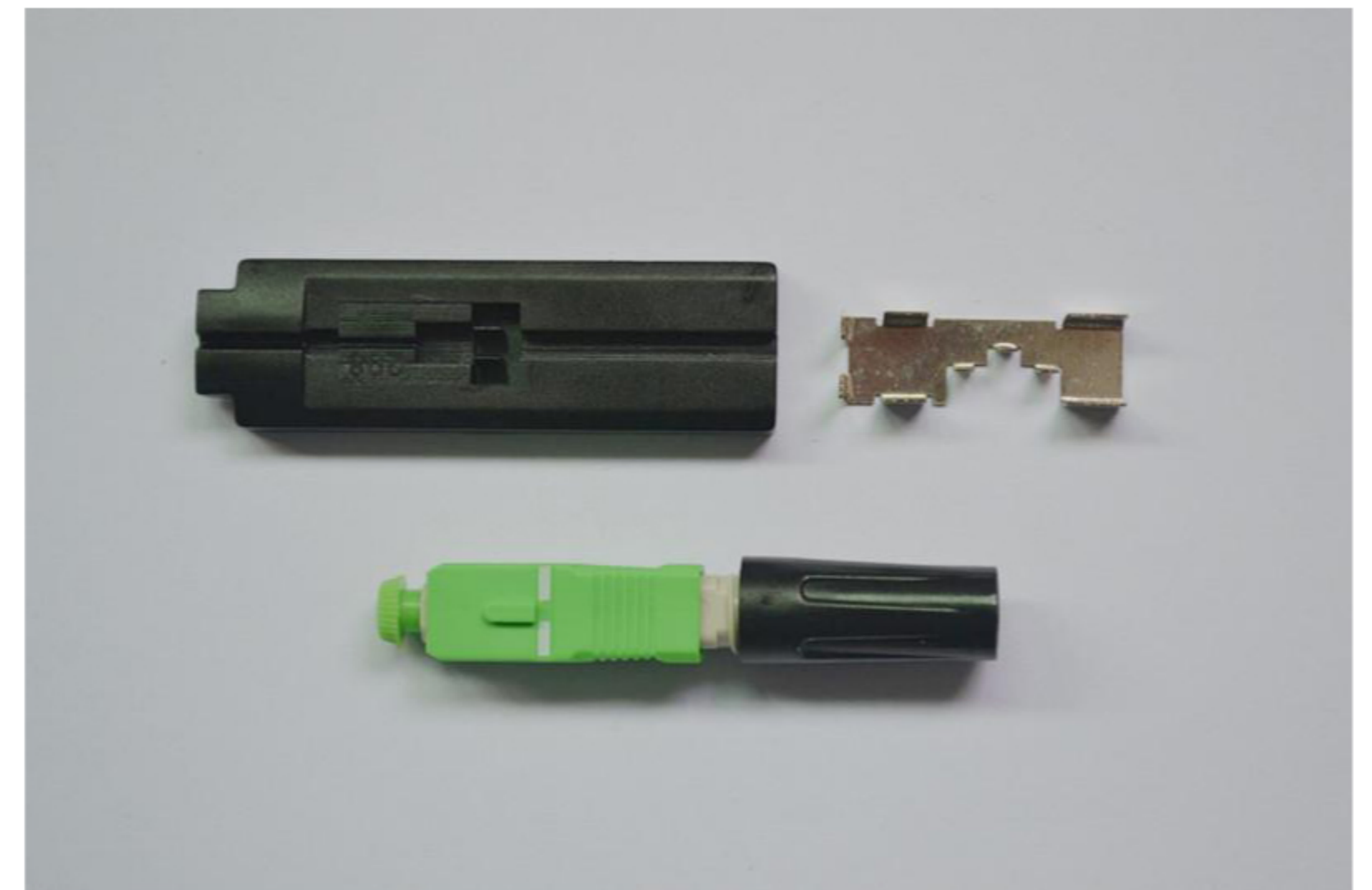
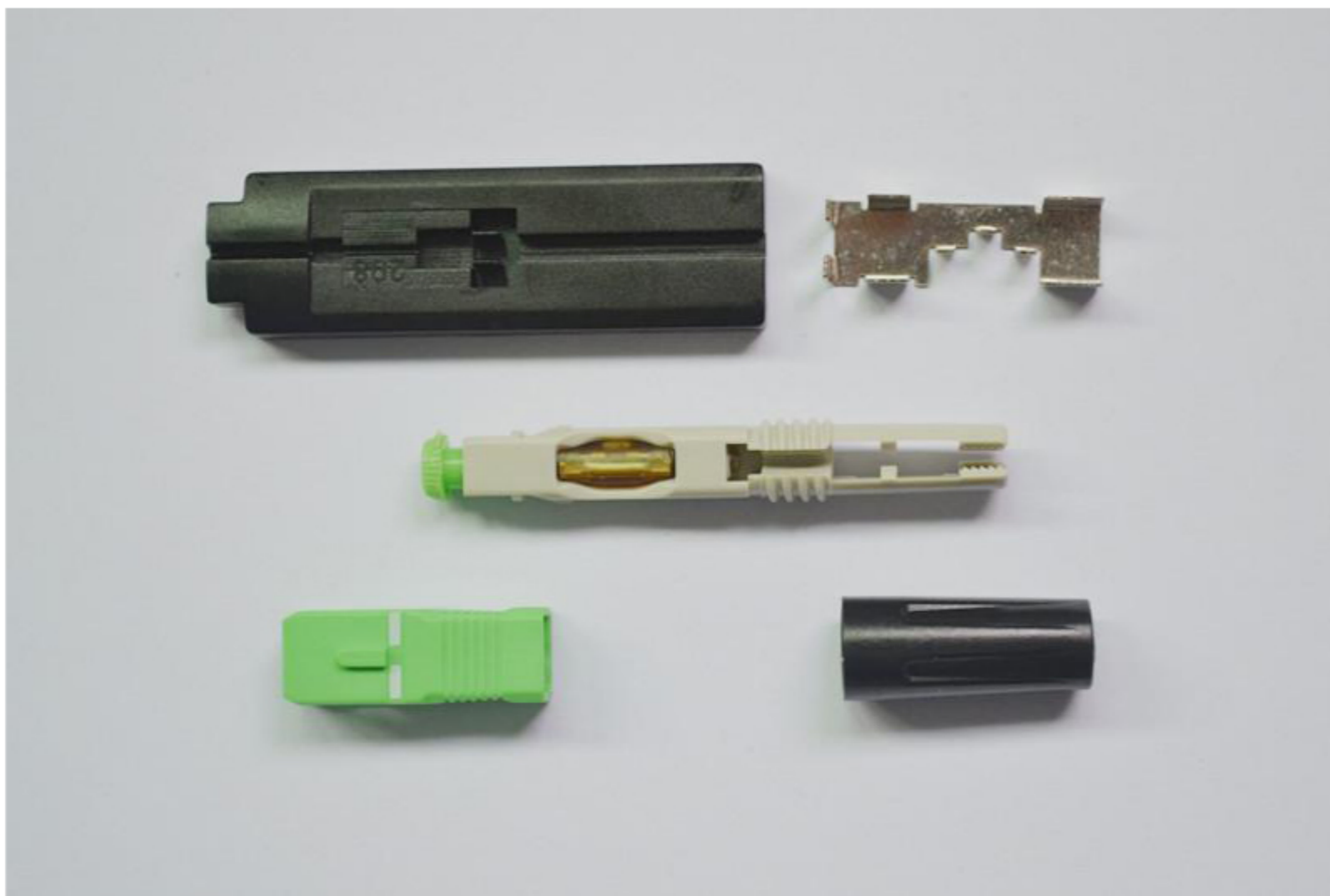
Features

- ◆ Pre-embedded fiber and pre-polished ceramic ferrule (PC/APC) ensures excellent optical performance
- ◆ Matching oil (Same refractive index as fiber) used in the high precision core parts to ensure the high stability and reliability of the connector
- ◆ ALL connectors tested for insertion loss and return loss before leaving the factory
- ◆ Less than 1 minute operation time, easy to assembly
- ◆ Over 98% splicing success rate for single time assemble, total splicing success rate more than 99
- ◆ Good exchange ability and good durability

Application

- Telecommunication subscriber loop
- Fiber to the home (FTTH)
- LAN/WAN

SC/APC Fast Connector



DATA SHEET

ITEM	Technical Parameters
Applicable for	Drop cable. Indoor cable
Optical fiber diameter	125 μ m (657A1 & 657A2)
Tight buffer diameter	250 μ m
Fiber mode	Single mode
Operation time	About 50s (no fiber cut)
Insert loss	$\leq 0.3\text{dB MAX} \leq 0.5\text{dB}$ (1310nm & 1550nm)
Return loss	$\geq -55\text{dB}$
Fastening strength of naked fiber	$>5\text{ N}$
Fastening strength of naked fiber holder	$>10\text{ N}$
Tensile strength	$>50\text{ N}$
Using temperature	$-40 \sim +75^{\circ}\text{C}$
On-line tensile strength (20 N)	$\Delta\text{ IL} \leq 0.3\text{dB} \quad \Delta\text{ RL} \leq 5\text{dB}$
Mechanical durability (500 times)	$\Delta\text{ IL} \leq 0.3\text{dB} \quad \Delta\text{ RL} \leq 5\text{dB}$
Drop-off test (drop-off height 4m, once per direction, totally times)	$\Delta\text{ IL} \leq 0.3\text{dB} \quad \Delta\text{ RL} \leq 5\text{dB}$