

STRUCTURE CABLING

OPTIC FIBER DISTRIBUTION BOX

SC quick connector(909)

Order Information

Item	Performance
Insertion loss	Average $\leq 0.2\text{dB}$, MAX $\leq 0.4\text{dB}$
Return loss	PC: $\geq 40\text{dB}$, APC $\geq 55\text{dB}$
One-time Assembly Rate	$\geq 97\%$
Assembly Repeatability	More than 5 times
Average Assembly Time	≤ 3 minutes
Life-time	≥ 30 years
Tensile Strength	$\geq 30\text{N}$ (2x3 Bow-type drop cable)
Operation Temperature	$-40 \sim +75^\circ\text{C}$



Mechanical Splice(908)

Order Information

Item	Technical Parameters
Applicable for	$\phi 0.25\text{ mm}$ & $\phi 0.90\text{ mm}$ Fiber
Optical fiber diameter	125 μm (652 & 657)
Tight buffer diameter (μm)	250 μm
Fiber mode	Single & multi mode
Operation time	About 10s(no fiber cut)
Average Insert loss	$\leq 0.15\text{dB}$ (1310nm & 1550nm)
Return loss	$\leq -40\text{dB}$
Fastening strength of naked fiber	$\geq 5\text{ N}$
Fastening strength of naked fiber holder	$\geq 8\text{ N}$
Using temperature	$-40 \sim +75^\circ\text{C}$
Repeatability(10 times)	Δ IL $\leq 0.2\text{dB}$ Δ RL $\leq 5\text{dB}$



Shelf optical cable terminal box

Optical termination box has the following features

- The splice of optical cable or fiber can be finished individually in the terminal box.
- It may inlet and outlet not only from optical cable to optical cable but also from optical cable to pigtail.
- The capacity of terminal box may vary from 8 cores.
- There is reliable optical cable fixing and ground protection device and sealing device.

Order Information

PART Number	Description
F-C1	8 ports SC adapter shelf optical cable terminal box
F-C2	8 ports SC duplex adapter shelf optical cable terminal box
F-C3	8 ports ST adapter shelf optical cable terminal box

