



Prostal Limited.

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Mechanical Fiber Optic Connector-Fiber Pre-embedded Tech

Model No. PSC250P-LW



Application FTTx, Data Room Transformation

Description

1. Screw boot clamping.
2. Transparent side Cover, visible for Inspection.
3. Specific coating stripper/cutting guideway.
4. Suitable for narrow installation space.
5. Applicable to bow-type drop cable and 2.0/3.0 indoor cable.



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Technical specification

Item	Parameter
Cable Scope	3.0 x 2.0 mm Bow-type Drop Cable 2.0/3.0 indoor cable
Fiber Diameter	125 μ m (652 & 657)
Coating Diameter	250 μ m
Mode	SM
Operation Time	about 15s (exclude fiber presetting)
Insertion Loss	≤ 0.3 dB (1310nm & 1550nm)
Return Loss	≤ -50 dB for UPC, ≤ -55 dB for APC
Success Rate	>98%
Reusable Times	>10 times
Tighten Strength of Naked Fiber	>5 N
Tensile Strength	>50 N
Temperature	-40 \sim +85 $^{\circ}$ C
On-line Tensile Strength Test (20 N)	\triangle IL ≤ 0.3 dB
Mechanical Durability (500 times)	\triangle IL ≤ 0.3 dB
Drop Test (4m concrete floor, once each direction, three times total)	\triangle IL ≤ 0.3 dB

Relevant Solutions

- Easy operating, The connector can be directly used in ONU, also with fasten strength more than 5 kg, it is widely used in FTTH project of network revolution. It also reduce the use of sockets and adapters, save cost of project.
- With 86 standard socket and adapter, the connector makes connection between drop cable and patch cord. The 86 standard socket provides complete protection with its unique design.
- Applicable to connection with field mountable indoor cable, pigtail, patch cord and transformation of terminal box, distribution frame, ODF and patch cord.