

FIBER OPTIC MECHANICAL SPLICE

Telcordia GR-326-CORE, Telcordia GR-1081-CORE, IEC 61300.



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|-----------------------------------|---|
| Process | Specifications 1310 and 1550nm |
| Insertion Loss | ≤0.2dB |
| Return Loss | >40dB |
| Applicable Fiber | Singlemode fiber ITU-T Rec. G.652D or G.657A1 |
| Fiber Diameter | 250um |
| Operating Temperature (°C) | -40°C ~ +75°C |

| Mechanical and Environmental Characteristics | | |
|---|--|-------------------------------------|
| Process | Method / Condition | Specifications |
| Vibration Test | Vibrating the connectors for 2 hours at amplitude of 1.52mm (± 0.75mm) with the frequency sweeping continuously between 10 and 55Hz at a rate of 45Hz per minute, 1 cycle is 4 minute. | Deviation in insertion loss ≤ 0.2dB |
| Impact Test | Accidentally dropping the connectors from 4 m height, repeat 8 times. | Deviation in insertion loss ≤ 0.2dB |
| Transmission with applied tensile load | Applying loads using the tensile test facility – 3N load, last for 60 sec. | Deviation in insertion loss ≤ 0.2dB |
| Thermal Cycle Test | Temperature -40°C to 75°C each cycle, 21 cycles, 168 hr. (7 days). | Deviation in insertion loss ≤ 0.2dB |

| ORDERING INFORMATION | |
|--------------------------|-----------------|
| Fiber | |
| Mechanical Splice | <i>RSMECHSP</i> |