

RJ Modular Jacks and Plugs

GelGuard RJ modular jacks and plugs offer increased environmental protection for telephone jacks, a highly corrosion-prone component in the distribution loop. The jacks and plugs are filled with proven patented GelGuard gel, which exceeds the performance of grease-filled or grommated products in corrosion prevention and preservation of signal quality.

The UL Listed snap-in plug/jack systems offer protection against product defects and corrosion-related failures. Compliant with the requirements for modular jacks and plugs in Telcordia specification GR-49-CORE, our sealed jacks and plugs exceed Telcordia's conditional requirements for withstanding salt fog testing and water immersion testing. These products are ideal for use in damp and/or corrosive conditions.

GelGuard silicone gel is used in many of our products to provide environmental protection for electrical connections. The gel conforms to irregular surfaces, displaces water, and provides a barrier against moisture and contaminant ingress. The gel-filled plugs can be removed and reinserted many times without reducing sealing effectiveness.

**GelGuard**

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GelGuard Gel Performance Data

| Property | Method | Value |
|-----------------------------|------------|--|
| Appearance | | Clear |
| Specific Gravity | ASTM D792 | 0.97 |
| Softening Temperature | TMA | >150°C |
| Operating Temperature Range | | -40° to 110°C |
| Flammability | UL 94 | Self-extinguishes. Burn time <1 minute |
| Volume Resistivity | ASTM D257 | >10 ¹² ohm-cm |
| Dielectric Strength | ASTM D149 | >20 kV/mm |
| Copper Mirror Corrosion | ASTM D2671 | None |
| Fungus Resistance | ASTM G21 | 0 |

The above information is considered typical, and is not intended for use as a specification.

Standard Product Configurations

Plugs

| Part Description | Product Type | Number of Conductors |
|--------------------------|--------------|----------------------|
| GLJK-PLUG6P2F-T-ST-C-X-G | 6 Position | 2 |
| GLJK-PLUG6P4F-T-ST-C-X-A | 6 Position | 4 |

Jacks

| Part Description | Product Type | End Type | Wire Length (±.5") | Color Code | Number of Conductors |
|---------------------|--------------|----------|--------------------|------------|----------------------|
| GLJK-RJ11MOD-B-95-N | RJ11 | Blunt | 8.75" | USOC | 2 |
| GLJK-RJ11MOD-S-80-N | RJ11 | Spade | 7.25" | USOC | 2 |
| GLJK-RJ14MOD-B-95-N | RJ14 | Blunt | 8.75" | USOC | 4 |

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