

**AT LJ 1002 : Specifications**

This product meets the requirement of ISO standard & consequently the technical specification laid down by the **TEC / BSNL STANDARDS**. This standard specifies requirements for Dimensions, Mechanical & Electrical performance and Tests for plugs suitable for connecting telecommunications apparatus to telecommunications system through a socket. Compatibility between the Plug & the RJ 11 Plug & to ensure that access by hand to the electrical connections is prevented when plug and socket have made electrical contact.

Ordering Specification	Description	Partnumber	Overall dimension
TEC / BSNL	Parallel Extension Line Jack with GD Tube	AT LJ 1002	75 X 75 X 35 in mm { L X W X H }
	Parallel Extension Line Secondary Line Jack	AT LJ 1002	

The Single Master Line Jack & Single Secondary Line Jack Unit has two primary parts.

- Female connector unit called the Line Jack Unit Socket to 8877 specification
- Telephone cord connector with RJ 11 plug

Parallel Extension Line Jack with GD Tube	Parallel Extension Line Secondary Line Jack
<ul style="list-style-type: none"><li>•Capacitor – 2.2 Micro farad</li><li>•Resistor 22 K Ohms</li><li>•2 Pole GD Tube-K12 Spec</li><li>•Screw type terminal block 1 nos</li><li>•Socket outlet enabling the unit to be connected to a telephone or other equipment</li><li>•Contact Phosphor Bronze wire 0.45 mm dia with Gold plating with – 1.27 Microns</li></ul>	<ul style="list-style-type: none"><li>•Screw type terminal block</li><li>•Socket outlet enabling the unit to be connected to a telephone or other equipment</li><li>•Contact Phosphor Bronze wire 0.45 mm dia with Gold plating with – 1.27 Microns</li></ul>

ABS plastic front cover assembly which contains a spring loaded shutter assembly to prevent ingress of dust and insects. To complete the assembly, a back box is provided enabling the unit to be mounted on a wall or other suitable fixture.

Mechanical Properties	Features
<ul style="list-style-type: none"><li>•Plug Retention Strength – More than 76 Newtons (7.7 Kgs)</li><li>•Mating Force – Less than 750 grams</li></ul>	<ul style="list-style-type: none"><li>•Anty slip connection</li><li>•Flush &amp; Surface mounting</li><li>•Termination with anti – slip</li></ul>

<ul style="list-style-type: none"> <li>•Contact Pressure – More than 100 Grams</li> <li>•Sliding Door: More than 2000 operations functions normal</li> <li>•Effectiveness of the Contact: 1000 Insertions &amp; Extraction</li> </ul> <p>Voltage Drop across the contacts is less than 100 mv</p>	<p>arrangement</p> <ul style="list-style-type: none"> <li>•Spring Loaded Shutter</li> </ul>
<p>Electrical Properties</p> <ul style="list-style-type: none"> <li>•Insulation Resistance: Greater than 100 M Ohms</li> <li>•Dielectric strength: should withstand 11 KV rms</li> <li>•Contact Resistance: less than 100 m Ohms</li> </ul>	<p>Environmental Conditions</p> <ul style="list-style-type: none"> <li>•Storage : - 40 to + 90° C</li> <li>•Operational : - 20 to + 80° C</li> <li>•Humidity : - 95 % Relative Humidity</li> </ul>



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