



AT LJ 2003, AT LJ 2004, AT LJ 2005 : Specifications

This product meets the requirement of ISO standard & consequently the technical specification laid down by the **BRITISH 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 BT jack & 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
British Standard Spec	Twin Master Line Jack Unit	AT LJ 2005	86 X 86 X 30 in mm { L X W X H }
	Dual Master Line Jack Unit	AT LJ 2003	
	Dual Secondary Line Jack Unit	AT LJ 2004	

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

- Female connector unit called the Line Jack Unit Socket to BT 601 A specification
- Telephone cord connector with BS6312 – 1985 plug

The unit comprises of printed circuit board made up of Glass Epoxy on which electronic components are mounted

Twin Master Line Jack Unit Dual Master Line Jack Unit	Twin Secondary Line Jack Unit Dual Secondary Line Jack Unit
<ul style="list-style-type: none"> •Capacitor – 1.8 Micro farad •Resistor 470 K Ohms •2 Pole GD Tube-K12 Spec •Screw type terminal block 2 nos •Socket outlet enabling the unit to be connected to a telephone or other equipment •Contact Phosphor Bronze wire 0.45 mm X 0.65 mm with Gold plating with – 1.27 Microns 	<ul style="list-style-type: none"> •Screw type terminal block •Socket outlet enabling the unit to be connected to a telephone or other equipment •Contact Phosphor Bronze wire 0.45 mm X 0.65 mm with Gold plating with – 1.27 Microns

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

- Mating Force – Less than 750 grams
- Contact Pressure – More than 100 Grams
- Sliding Door: More than 2000 operations functions normal
- Effectiveness of the Contact: 1000 Insertions & Extraction

Features

- Flush & Surface mounting
- Termination with anti – slip arrangement
- Spring Loaded Shutter
- Anty slip connection

Electrical Properties

- Insulation Resistance: Greater than 100 M Ohms
- Dielectric strength: should withstand 11 KV rms
- Contact Resistance: less than 100 m Ohms

Environmental Conditions

- Storage : - 40 to + 90° C
- Operational : - 20 to + 80° C
- Humidity : - 95 % Relative Humidity



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