



## MULTILAN CAT.5E KEYSTONE JACK U/UTP

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**Product Type** Keystone Jack

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**Product Family** Multilan

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**Standard** ROHS Compliant

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### Applications

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**Installation Environment** Indoor

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**Operation Environment** Non Aggressive

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**Compatibility** All FCS products

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**Warranty** 12 months

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**Extended Warranty** 15 or 25 years - in accordance to the FCS Extended Warranty Program

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### Advantage

- Exceeds the limits of the standard for CAT.5E / D;
- Guaranteed Channel Performance connections for 4 channels to 100 meters;
- Support IEEE 802.3, 1000 Base T, 1000 Base TX, EIA/TIA-854, ANSI-EIA/TIA-862, ATM, Video, Automation Systems and all previous LAN protocols;
- Supplied in white, beige, blue, black and red;
- Support identification icons.
- Cable insertion angle 180°;
- Compatible with RJ-11;
- Assembly standard T568A or T568B.

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**Identification** Category printed on front, Furukawa's sign on body of connector.

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**Trace** Lot of production printed on product's structure.

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### Constructive characteristic

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**Weight** 0.018kg

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**Height** 22mm

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**Width** 17.2mm

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**Depth** 33.9mm ± 0.1mm

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**Color** Beige, White, Blue, Black and Red

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**Connector Type** RJ-45 Female (Keystone Jack)

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**Rear Connection** 110 IDC, 8 positions, standard in Phosphore bronze tinned, for conductor diameter between 22 and 26 AWG.

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<b>Cable type</b>	U/UTP Cat. 5e
<b>Material of electrical contact</b>	Phosphore bronze with 50uin of gold and 100uin of nickel.
<b>Conductor diameter</b>	26 up to 22 AWG
<b>Material of Product body</b>	High impact thermoplastic no fire propagation UL 94V-0.
<b>Assembly Standard</b>	T568A and T568B
<b>StorageTemperature</b>	-40°C to +70°C
<b>Operation Temperature</b>	-10°C to +60°C

**Performance**

<b>Cycles quantity</b>	≥750 RJ45 and ≥200 RJ11 ≥200 for the IDC block
<b>Insulation Resistance</b>	500 MΩ
<b>Contact resistance</b>	20mΩ
<b>DC resistance</b>	0.1Ω
<b>Dielectric tension proof</b>	1000V (RMS, 60Hz, 1min)
<b>Return loss</b>	1 ≤ f ≤ 31.5 Mhz: 30 dB 31.5 ≤ f ≤ 100MHz: 20-20 log(f/100)
<b>Contact force</b>	0.98N (100g)

<b>Electrical Characteristics</b>	<b>Freq (MHz)</b>	<b>NEXT (dB)</b>	<b>FEXT (dB)</b>	<b>Insertion Loss (dB)</b>
	1.0	65.0	65.0	0.1
	4.0	65.0	63.1	0.1
	8.0	64.9	57.0	0.1
	10.0	63.0	55.1	0.1
	16.0	58.9	51.0	0.2
	20.0	57.0	49.1	0.2
	25.0	55.0	47.1	0.2
	31.25	53.1	45.2	0.2
	62.5	47.1	39.2	0.3
	100.0	43.0	35.1	0.4

**Package**

<b>Package Type</b>	Plastic bag with identification label.
<b>Amount per box gift</b>	25 pieces
<b>Amount per box (carton)</b>	20 box

**Minimum order quantity** 500 Keystones Jack

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**Dimension (WHD)** 430 x 370 x 340 mm

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**Individual package** 0.336kg

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**Associated Solutions** Data Center, Commercial Building, Government, Finances, Health, Education

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### **Standards and Certifications**

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**Standard** EIA/TIA 568 C.2 and Addendums

ISO/IEC 11801

NBR 14565

FCC part 68

EN 50173-1

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**Certification** ISO9001/ISO14001 416253

UL Listed E173971

ETL Verified

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