

KEYSTONE JACK GIGALAN PREMIUM CAT.6



Product Type Keystone Jack

Product Family Gigalan

Standard ROHS Compliant

Applications

Compatibility All FCS products

Warranty 12 months

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

Advantage

- Compatible with modular patch panel and face plates.
- Exceed defined by CAT.6/Classe E standard;
- Fast assembly with "Fast Tool" (Do not need punch down to assembly);
- Support IEEE 802.3af e 802.3at, 1000 BASE T, 1000 BASE TX, EIA/TIA-854, ANSI-EIA/TIA-862, ATM, Video, Building Automation System, 10G-BASE-T (TSB-155), all LAN protocols;
- According to IEC 60603-7;
- Included Dust Cover;
- Cable assembly with 90° or 180°;
- Compliance with RJ-11;
- Included Cover for IDC protection;
- Default assembly T568A or T568B.

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

Trace Lot of production printed on product's structure.

Constructive characteristic

Height 22.3mm

Width 17 mm

Color Black, Yellow, Blue, Red, Violet, White, Beige, Gray, Green, Orange and Brown.

Connector Type RJ-45 Female (Keystone Jack)

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

Cable type

Material of electrical contact Phosphore bronze with 50µin of gold and 100µin of nickel.

Conductor diameter 26 up to 22 AWG

Material of Product body High impact thermoplastic no fire propagation UL 94V-0.

Assembly Standard T568A and T568B

Storage Temperature -40°C to +70°C

Operation Temperature -10°C to +60°C

Retention force between jack and plug At least 133N

Performance

Cycles quantity ≥1000 RJ45 and ≥200 RJ11
 ≥200 110IDC block

Insulation Resistance 500 MΩ

Contact resistance 20mΩ

DC resistance 0.1Ω

Dielectric tension proof 1000V (RMS, 60Hz, 1min)

Contact force 0.98N (100g)

Electrical Characteristics

| Frequency | Insertion Loss | Return Loss | NEXT | FEXT |
|-----------|----------------|-------------|------|------|
| 1 | 0.10 | 30 | 75.0 | 75.0 |
| 4 | 0.10 | 30 | 75.0 | 71.1 |
| 8 | 0.10 | 30 | 75.0 | 65.0 |
| 10 | 0.10 | 30 | 74.0 | 63.1 |
| 16 | 0.10 | 30 | 69.9 | 59.0 |
| 20 | 0.10 | 30 | 68.0 | 57.1 |
| 25 | 0.10 | 30 | 66.0 | 55.1 |
| 31.25 | 0.11 | 30 | 64.1 | 53.2 |
| 62.5 | 0.16 | 28 | 58.1 | 47.2 |
| 100 | 0.20 | 24 | 54.0 | 43.1 |
| 200 | 0.28 | 18 | 48.0 | 37.1 |
| 250 | 0.32 | 16 | 46.0 | 35.1 |

Package

Package Type Cardboard box

Individual package 0.475kg

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

Standards and Certifications

Standard

EIA/TIA 568 C.2 and Addendums

ISO/IEC 11801

NBR 14565

FCC part 68

EN 50173-1

NMX-I-248-NYCE-2008

Certification

ETL 4 connections 3073041-003

ETL 6 connections 102086938CRT-001a

ISO9001/ISO14001 416253

UL Listed E173971

ETL Verified 3191965CRT-001
