



## Specification :

### Material :

1. Plastic Housing : ABS + PC, UL 94V-2.
2. Insert : Polycarbonate, UL 94-HB.
3. RJ45 Jack Contact material & finished :
  - 3-1. Phosphor Bronze with 30-40 micro-inch Nickel plated.
  - 3-2. Contact area : Min. 3 mm 50 micro-inch Gold plated.
4. IDC Housing : PC+5%GF, UL 94-HB.
5. IDC Terminal material & finished :
  - 5-1. Phosphor Bronze with 50 micro-inch Tin plated.
  - 5-2. Use for 22-26 AWG stranded and solid wire.
6. IDC CAP A&B : PC+5%GF, Gray(RAL7035) color, UL 94-HB.
7. IDC CAP : PC+5%GF, UL 94-HB.

### Performance :

- a. The IDC CAP color codes combine two wirings of T568A & T568B.
- b. Insertion Force : 900 gms for 8 contacts.
- c. Retention Strength : 7.7 kgs between Jack and Plug.
- d. Operation Temperature : -40°C to 80°C.
- e. Durability :
  - e-1. Jack : 750 cycles Plug-Jack mating and unmating test, insertion cycles at 20 cycles/minute max. Contact resistance test per 100 cycles.
  - e-2. IDC : Max. 200 punching times.
- f. The Cat.6 performance is in compliance with the ANSI/TIA/EIA 568 B.2-1 standard.

### GENERAL TOLERANCE OF DIMENSIONS

X.XXX ±0.005  
 X.XX ±0.05  
 X.X ±0.1



**Keystone Jack Cat.6, unshielded,  
 tool free connector**