# **CAT6 UTP TOOLLESS CONNECTOR**

Category 6 Toolless Connectors exceed Category 6 long lasting high-performance and full support of all present and emerging applications, including 1000BASE-T (Gigabit-Ethernet). High quality overall shield provides excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity, ensures long term resistance to corrosion from humidity, extreme temperatures, and airborne contaminants. Tested up to 250 MHz over 100m. These are mainly used for patch-cord termination.



### **COMPLIANCE**

IEEE 802.af, IEEE 802.3at for PoE applications. ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), EN50173-2 Category 6 Standards, IEC 60603-7-3

### **DESIGN & MATERIALS**

Contact Carrier Material	High impact, Flame-retardant plastic compound, UL 94 V-0		
Plug Contact Material	Phosphor Bronze		
Contact Surface Material	Gold over Nickel		
Temperature Range	-40 °C to +60 °C @ 0-90 % RH (Non Condensing)		

### **ELECTRICAL CHARACTERISTICS**

Insulation Resistance	$>$ 500M $\Omega$
Contact Resistance	$<$ 20m $\Omega$
Dielectric Strength	DC 1000V (AC700V)
Return Loss @ 250 MHz	>8.0 dB
Insertion Loss @ 250 MHz	35.9 dB
Next Loss @ 250 MHz	>33.1 dB
Attenuation	<555ns

## **ORDERING INFORMATION**

Part Number	Description
12T-31X	Category 6 UTP Toolless Connector

X: CL(Clear), ST(Steel), GD(Golden)

### **PACKING INFORMATION**

Part Number	Packing Qty.	Packing Mode	N.W (kg)		Dimension (mm)
12T-31X	1000 x 10 x 1	Carton Box	7.0	9.0	620 x 420 x 430