

COMMUNICATION  
CIRCUIT ACCESSORY

Cat 6a

56Y4  
E145249



ACCORDING TO  
TIA/EIA-568-B.2-10

## MATERIAL

KEYSTONE JACK HOUSING : ABS high-impact UL94V-0 thermoplastic  
 SPRING WIRE : Phosphor Bronze 5100W temper wire,  $\phi=0.45\text{mm}$ , 50u"  
 Gold over 100u" Nickel undercoat

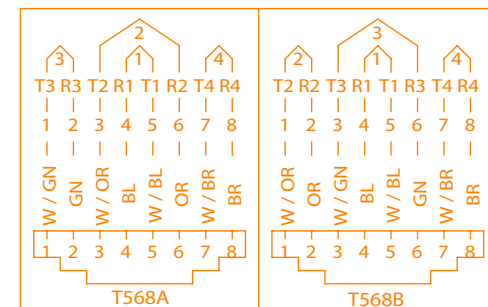
IDC PLASTIC : Polycarbonate resin high-impact UL94V-0 thermoplastic  
 IDC CONTACT : Phosphor Bronze C5191R-H,  $t=0.4\text{mm}$ , 200u" Tin over 50u" Nickel undercoat

## PHYSICAL CHARACTERISTICS

INSERTION LIFE : 750 MATING CYCLES WITH FCC COMPLIANT RJ-45 PLUG  
 CONTACT FORCE : 100 GRAMS WITH FCC COMPLIANT RJ-45 PLUG  
 PLUG RETENTION FORCE : 11 LBF MIN.  
 DURABILITY : 200 TERMINATION CYCLES  
 CONTACT COMPATIBILITY : ACCOMMODATES 22 TO 26 AWG SOLID / 24 AWG STRANDED  
 OPERATING TEMPERATURE RANGE :  $-10^{\circ}\text{C}$  TO  $60^{\circ}\text{C}$   
 STORAGE TEMPERATURE RANGE :  $-40^{\circ}\text{C}$  TO  $68^{\circ}\text{C}$   
 HUMIDITY : 10%~90%RH

## ELECTRICAL

INSULATION RESISTANCE : 500 M $\Omega$   
 DIELECTRIC WITHSTANDING VOLTAGE : 1000 V  
 DC CURRENT RATING : 1.5 Amps  
 DC RESISTANCE : 0.1 $\Omega$   
 CONTACT RESISTANCE : 20m $\Omega$



Scale	1:1	All Copy Rights Reserved			
3rd Angle Projection		<b>Tri-Net Technology, Inc.</b> Total Network Telesis U.S.A.			
Unit	mm	Title			
Date	08/06/2009	07W-I88-M-C6A			
Tolerance					Drawn by
~20	~50	~150	150~	ANGLE	Checked by
±0.2	±0.4	±0.5	±1.5	±2°	S. Niko