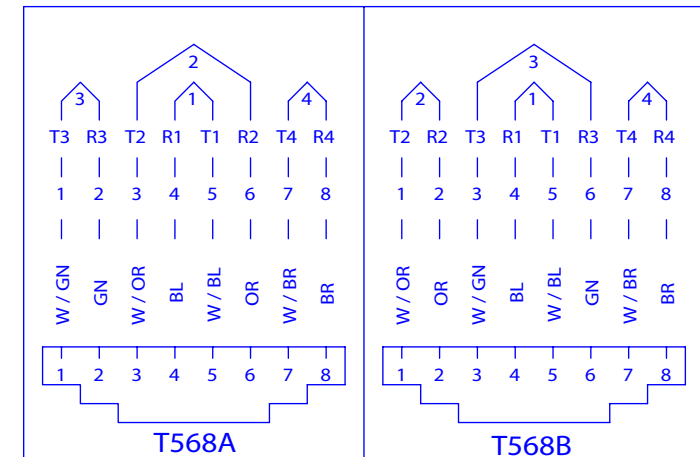


Cat 6a
ACCORDING TO TIA/EIA-568-B.2-10
REQUIREMENTS

Physical Specification

Plastic 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 housing: Polycarbonate resin high-impact UL94V-0 thermoplastic
 IDC contact: Phosphor Bronze C5191R-H, $t=0.4\text{mm}$, 200u" Tin over 50u" Nickel undercoat
 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: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
 Storage Temperature Range: $-40\text{ }^{\circ}\text{C}$ to $68\text{ }^{\circ}\text{C}$
 Humidity: 10%~90%RH



Electrical

Insulation resistance: 500 M Ω
 Dielectric withstanding voltage: 1000 V
 DC current rating: 1.5 Amps
 DC resistance: 0.1 Ω
 Contact resistance: 20m Ω

Scale	1:1	ALL COPY RIGHTS RESERVED	
3rd Angle Projection		TNT Tri-Net Technology, Inc. Total Network Telesis U.S.A.	
Unit	mm	Title	
Material		07WF-I88-M-C6A	
Color		Drawn by	Checked by
Date	08/06/2009	S. Niko	

TOLERANCE				
~20	~50	~150	150~	ANGLE
± 0.20	± 0.40	± 0.50	± 1.50	$\pm 2^{\circ}$