

Cat 6  
UL CERTIFIED



## Physical Specification

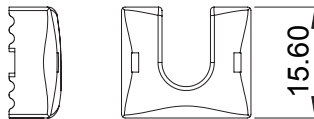
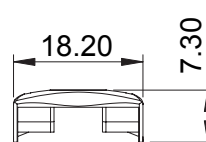
Plastic housing: ABS high-impact UL94V-0 thermoplastic  
Spring wire: Phosphor Bronze with 50u" gold over nickel undercoat on contact area  
120u" tin over nickel undercoat on solder area

IDC housing: PC high-impact UL94V-0 thermoplastic  
IDC contact: Phosphor Bronze with 200u" tin over 100u" 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 °C to 60 °C  
Storage Temperature Range: -40 °C to 68 °C  
Humidity: 10%~90%RH

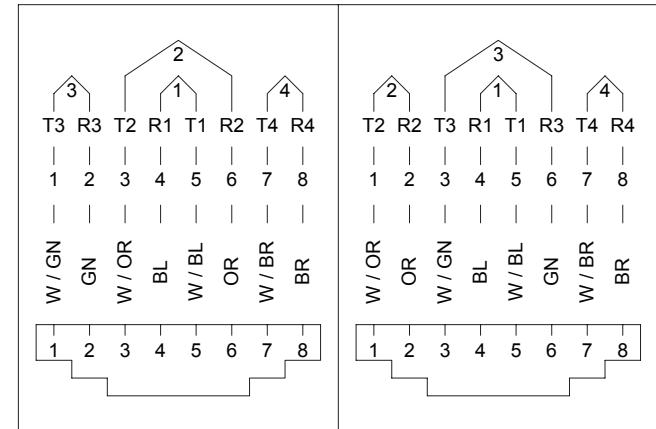
ACCORDING TO TIA/EIA-568-B.2-1  
REQUIREMENTS  
FILE NO.E145249

## Electrical

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



**CAP**



RoHS Compliant

Scale	1:1	ALL COPY RIGHTS RESERVED	
3rd Angle Projection		NET MECHANISM Corp www.cabling-ol.net	
Unit	mm	Title SIM-RJ45-C6	
Material		Drawn by	Checked by
Color		S. NIKO	
Date	03/26/2009		

TOLERANCE				
~20	~50	~150	150~	ANGLE
±0.20	±0.40	±0.50	±1.50	±2°