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Applications

Suitable for Local Area Networks, Data Centre and Video Applications delivering 1000base-t Gigabit Ethernet, 100BASE-TX Fast Ethernet, 622 Mbps ATM, 155 Mbps ATM and Composite Video. Termination with punch down tool.

Structural Drawing



Environmental Conditions

Relative Humidity (Operational)	Temperature	
	Storage	Operational
Maximum Non Condensing 93%	-40 to +70°C	-10 to +60°C

Electrical Characteristics

Electrical Insulation Resistance	Rating	Dielectric Withstanding Voltage	Contact Resistance	
			Spring Wire	IDC
Min. 500 MΩ at 100Vd.c.	1.5 AMPS at 20°C	1000V RMS 60Hz for 1 minute	Max. 20mΩ	<0.5 mΩ

Mechanical Characteristics

Insertion/Extraction Life	IDC Wire Gauge	Wiring Scheme
Min. 750 Cycles	22-24AWG	Labelled T568A & T568B

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Physical Characteristics

Keystone Jack Housing	Spring Wire	IDC
High Impact Flame Retardant Plastic	Phosphor Bronze Alloy plated with 50µ Inch of Gold	Phosphor Bronze Alloy with 100µ Inch of Sn Alloy

Typical Performance Test Data

Frequency (MHz)	Min. Return Loss (dB)	Max. Insertion Loss (dB)	Min. NEXT (dB)
1	30.0	0.10	75.0
4	30.0	0.10	75.0
8	30.0	0.10	75.0
10	30.0	0.10	74.0
16	30.0	0.10	69.9
20	30.0	0.10	68.0
25	30.0	0.10	66.0
31.25	30.0	0.11	64.1
62.5	28.1	0.16	58.1
100	24.0	0.20	54.0
200	18.0	0.28	48.0
250	16.0	0.32	46.0

Reference Standards

ISO/IEC 11801
ANSI/TIA/EIA-568-C2 Category 6 Connecting Hardware
EN50173-1
UL94V-0
IEC 60603-7-4
UL1863
RoHS directives