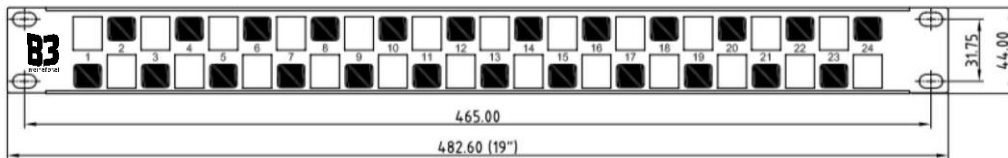


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Applications

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. The patchpanel comes with 24pc Keystone jack, cable ties and mounting hardware. The Keystone jacks can be terminated with B3 International termination tool KJT-0000 or by regular punch down tool.

Product 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	Dielectric Withstanding Voltage	Contact Resistance	
		Spring Wire	IDC
Min. 500 MΩ at 100Vd.c.	1000V RMS 60Hz for 1 minute	Max. 20mΩ	Max. 2.5mΩ

Mechanical Characteristics

Retention	Insertion/Extraction Life	IDC Wire Gauge	Wiring Scheme
50N for 60s±5s	Min. 750 Cycles	22-24AWG	Labelled T568A & T568B

Cat6a UTP 24port Patchpanel



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Physical Characteristics

Keystone Jack Housing	Spring Wire	IDC	Panel
High-Impact, Flame-Retardant Plastic, UL 94V-0	Phosphor Bronze Alloy plated with 50 μ Inch of Gold	Phosphor Bronze Alloy with 100 μ Inch of Sn Alloy	High Impact Flame Retardant Plastic and 1.5mm CRS

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	30.0	0.16	58.1
100	28.0	0.20	54.0
200	22.0	0.28	48.0
250	20.0	0.32	46.0
300	18.5	0.35	42.9
400	16.0	0.40	37.9
500	14.0	0.45	34.0

Reference Standards

ISO/IEC 11801
ANSI/TIA/EIA-568-C2 Category 6a Connecting Hardware
EN50173-1
UL94V-0
IEC 60603-7-41
UL1863
RoHS directives