

Technical Data Sheet

Rosenberger

CAT6A Modular Patch Panel

CP41-X51-XX

Applications

Rosenberger Cat6A modular type patch panel is designed for UTP and FTP cabling system with excellent performance and easy installation, compatible with all HDCS® Modules, meanwhile having extremely high flexibility, adaptability and maximally integrated designing. It is available in 24 ports 1HU, the color of module is optional.

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 10Gbase-T Gigabit Ethernet
- 155Mbit ATM
- 622Mbit ATM
- 1.2 Gbit ATM
- TR-16 Active
- TR-16 Passive

Performance

- Exceeding the specification of ANSI/TIA-568C.2 Category 6A requirements. Outstanding performance, (including IR, NEXT, AXT , RL etc.), which ensure the high link performance. excellent short link performance based on unique design
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires.
- Panel with longer rear cable for easy cable management and controlling cable bending radius
- Labels provided for cable identification and management



UTP Patch Pannel

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FTP Patch Pannel

Warranty

25 years of total warranty system guarantee the Rosenberg HDCS® for True Class E_A system.*

*Please check the detail warranty documents for more information.

Electrical Performance at 20°C

Voltage rating	125 VAC RMS
Current rating	1.5 AMP
Contact resistance	20 mΩ Max.
Insulation resistance	100MΩ Min. @ 500V DC
Dielectric strength	750V AC RMS 60Hz 1MIN
Unbalance capacitance	≤330pF/100m

Mechanical Performance

Housing material	PC UL94V-0
Insert material	PBT+20%GF UL94V-0
PCB material	FR-4
Contact material	Phosphor bronze
	Gold plating thickness on contacts 50um
Life (plug in /out)	≥750 times

Electrical Performance at 20°C

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Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	RL (dB)	PSNEXT (dB)	PSANEXT (dB)	FEXT (dB)	PS AFEXT (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.
1	0.10	75.0	30.0	73.0	67.0	75.0	67.0
4	0.10	75.0	30.0	72.3	67.0	71.1	67.0
8	0.10	75.0	30.0	71.0	67.0	65.0	67.0
10	0.10	74.0	30.0	70.0	67.0	63.1	67.0
16	0.10	69.9	30.0	65.9	67.0	59.0	67.0
20	0.10	68.0	30.0	64.0	67.0	57.1	67.0
25	0.10	66.0	30.0	62.2	67.0	55.1	67.0
31.25	0.11	64.1	30.0	60.1	67.0	53.2	67.0
62.5	0.16	58.1	30.0	54.1	67.0	47.2	67.0
100	0.20	54.0	28.0	50.0	67.0	43.1	67.0
200	0.28	48.0	22.0	44.0	64.5	37.1	61.0
250	0.32	46.0	20.0	42.0	62.5	35.1	59.0
300	0.35	42.9	18.5	38.9	61.0	33.6	57.5
400	0.40	37.9	16.0	33.9	58.5	31.1	55.0
500	0.45	34.0	14.0	30.0	56.5	29.1	53.0

Ordering Information

Order Number	Description
CP41-451-03	CAT6A unshielded modular patch panel, 24-port with keystone Jack
CP41-451-03-E	CAT6A unshielded modular patch panel, 24-port without keystone Jack
CP41-351-03N	CAT6A shielded modular dustproof patch panel, 24-port with keystone Jack
CP41-351-03N-E	CAT6A shielded modular dustproof patch panel, 24-port without keystone Jack
CP41-351-03	CAT6A shielded modular dustproof patch panel, 24-port with toolless keystone Jack

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Check	Approve	Date	Rev.	ECN	Name	Date
Candy	2014-01-03	Joe	Steven	2014-02-14	100	NEW	Robin	2014-03-31

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