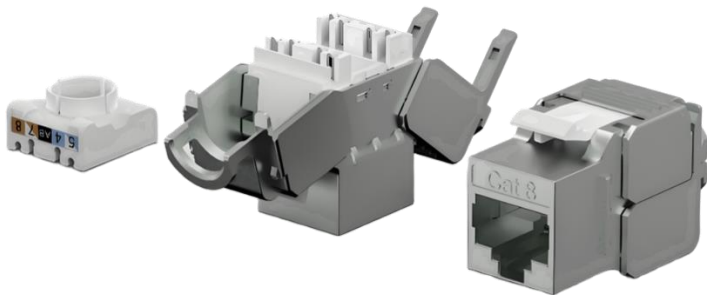


Applications

Prose CAT.8 keystone jacks are components of the cabling system. They are applied in structured premise cabling and data center cabling and used with outlet faceplate and modular patch panel.

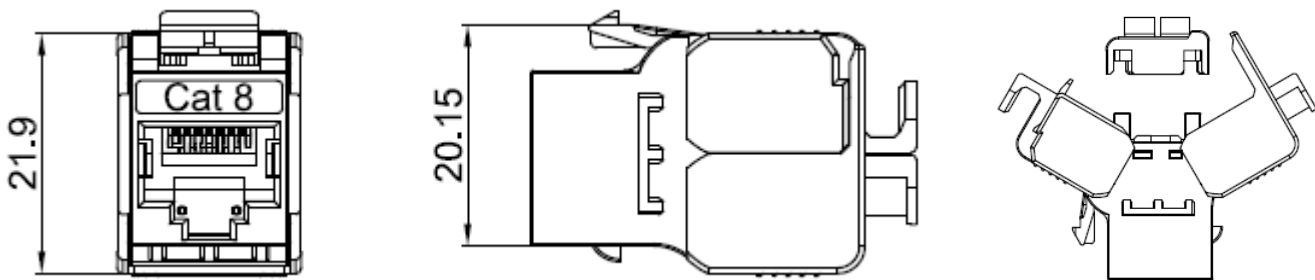
Profile/Outline



Characteristic

- Prose Cat8 keystone Jacks meet and exceed ANSI/TIA-568.2-D requirements.
- Outstanding performance,(including IR, NEXT, FEXT and RL), which ensure the high link performance.
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires
- Wiring scheme: T568 A/B.
- EU RoHS compliance.
- Other standards: FCC part 68, Subpart F, IEC 60603-7, EN50173-1.

Dimensions



Electrical Performance at 20°C

Voltage rating	125 VAC RMS
Current rating	1.5 AMP
Contact resistance	20 mΩ
Insulation resistance	500 mΩ

Cat8 Shielded Keystone Jack

KS80-221-1XX

PROSE

Dielectric strength	750V AC RMS 60Hz 1MIN
Unbalance capacitance	≤330pF/100m

Mechanical Performance

material	Zinc alloy
Insert material	PC+20%GF UL94V-0
PCB material	FR-4
Contact material	Phosphor bronze
IDC contact material	Phosphor bronze with silver or nickel plating
Wire	AWG 22 ~ 26
Life (plug in /out)	≥750 times
IDC life	≥200 times

Transmission Performance

Frequency (MHz)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PSNEXT	ARC-F (dB)	PS ACR-F (dB)	ACR-N (dB)	PS ACR-N
	Min.	Max.	Min.	Min.	Min.	Min.	Min.	Min.
1	19.0	3.0	65.0	62.0	65.0	62.0	62.0	59.0
4	19.0	3.0	63.8	60.5	59.9	56.9	60.8	57.5
8	19.0	3.0	58.9	55.6	53.9	50.9	55.9	52.6
10	19.0	3.0	57.3	54.0	52.0	49.0	54.3	51.0
16	18.0	3.0	53.9	50.6	47.9	44.9	50.9	47.6
20	17.5	3.0	52.3	49.0	45.9	42.9	49.3	46.0
25	17.0	3.2	50.7	47.3	44.0	41.0	47.5	44.1
31.25	16.5	3.6	49.1	45.7	42.1	39.1	45.5	42.1
62.5	16.0	5.1	44.0	40.6	36.0	33.0	38.9	35.5
100	16.0	6.5	40.5	37.1	32.0	29.0	34.0	30.6
200	14.3	9.3	35.3	31.9	25.9	22.9	26.0	22.6
250	13.4	10.4	33.6	30.2	24.0	21.0	23.2	19.7
300	12.7	11.5	32.3	28.8	22.4	19.4	20.8	17.3
400	11.6	13.3	30.1	26.6	19.9	16.9	16.8	13.2
500	10.7	15.0	27.9	24.8	18.0	15.0	12.9	9.9
600	10.0	16.5	25.7	22.7	16.4	13.4	9.2	6.2
1000	8.0	22.0	19.3	16.5	12.0	9.0	-2.6	-5.5
1500	8.0	22.7	13.9	11.2	8.4	5.4	-13.8	-16.4

Cat8 Shielded Keystone Jack

KS80-221-1XX



2000	8.0	32.7	9.8	7.3	5.9	2.9	-22.9	-25.3
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Packing Information

Weight	30 g (roughly)
Included parts	1 termination bar, 1 cable tie
Packaging	Individually packaged in a plastic bag

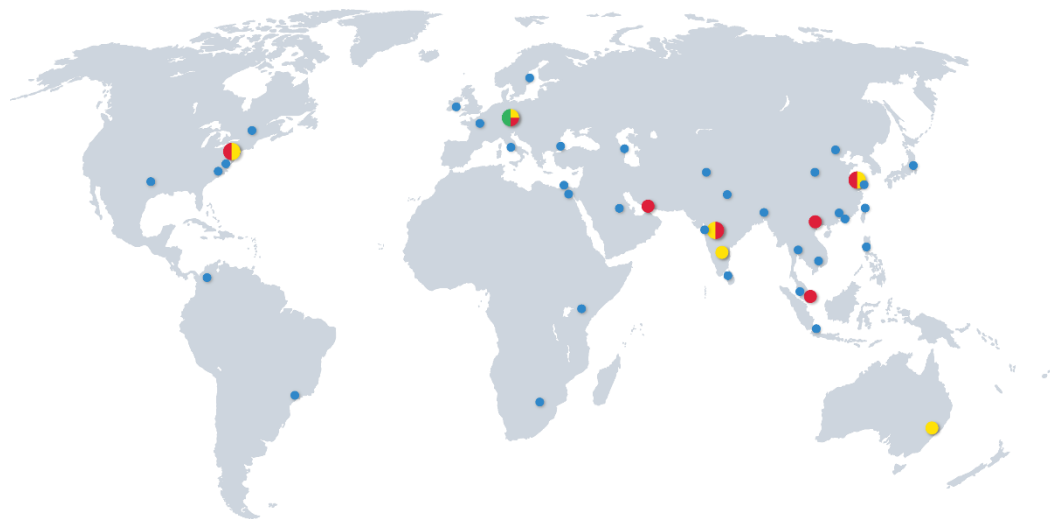
Ordering Information

RJ45/RJ11 Keystone	Category	-	Structure	Feature	Port Feature	-	Degree	Color (logo piece)
KS: Keystone	6A: Cat6A	-	1: Unshielded 2: Shielded (Zinc alloy) 3: Shielded (Copper shell)	1: Standard 2: Toolless 3: Direct keystone	1: Without dust cover 2: With dust cover	-	1: 180 degree 2: 90 degree	MT: Metal, Zinc-alloy

For Example:

Order Number	Description
KS80-221-1MT	Keystone, RJ45, Cat8, Shielded, 180°, Toolless, Zinc alloy

GLOBAL FOOTPRINT



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