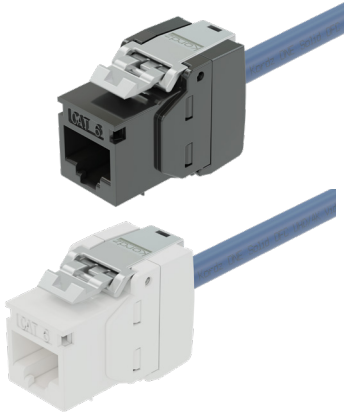# kordz
Connectivity.Assured

Technical Data Sheet

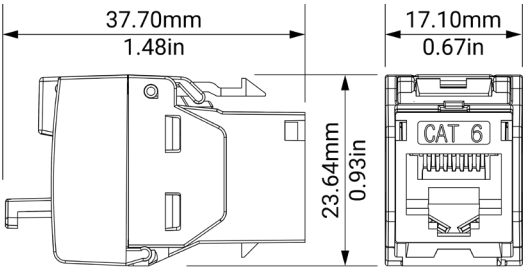# PRO Keystone RJ45 Sockets

Making performance easier

Kordz PRO Keystone RJ45 Sockets perfectly complement Kordz ONE Series Bulk Category Cabling and give professional integrators total confidence with an end-to-end cabling solution. Featuring a die-cast metal clamshell design and a latching mechanism, Kordz PRO Keystone RJ45 Sockets are very easy to fit. Match them with Kordz PRO Patch Cords for a complete Kordz ecosystem that delivers 'Connectivity Assured'.

- ABS clamshell design
- Available in black or white
- Easy to terminate with latching mechanism
- Sturdy and robust construction
- Manufactured with quality materials and using advanced manufacturing methods
- Available in black and white variants
- Backed by the Kordz Lifetime Warranty

CAT 6 | POE++ | UNSHIELDED | RJ45 | UL94 V-0 | LIFETIME WARRANTY

Technical Specifications

General Specifications		Dimensions	
Guaranteed Performance Category	Category 6	Body Length	37.33mm | 14.7inv
Applicable Performance Standards	ANSI/TIA-568.2-D / ISO/IEC 11802	Body Width	17.10mm | 6.7in
Power over Ethernet Performance	PoE++ (max 100W)	Body Height	23.68mm | 9.3in
Power over Ethernet Tested Standards	IEEE802.3bt	Panel Cut-out Height (recommended)	16.10mm | 6.3in
Shielding Type	Unshielded	Panel Cut-out Width (recommended)	14.50mm | 5.7in
Wiring method	T568A | T568B		

Mechanical Specifications		
Housing material	Polycarbonate	
Flammability Rating	UL 94 V-0	
Housing Colour	White / Black	
Front connection (RJ45 socket)	Termination method	RJ45 socket
	Contact material	phosphor bronze
	Contact plating	50µ" Gold Plating
	Insertion durability	≥ 750 insertions
	Plug retention force	133N | 13.3kg | 30lb
Rear connection (IDC side)	Termination method	IDC (Insulation Displacement Contact)
	Compatible insulated conductor gauge	min: 26AWG | max: 23AWG
	Compatible cable diameter	min: 5.5mm | max: 8.0mm
	Contact material	Phospher bronze
	Contact plating	100µ" Tin Plated
Insertion IDC	Termination durability	≥ 20 terminations
Operating Temperature		-40° to 66°C

Electrical Specifications	Requirement (per IEC 60603-7-4)	Tested Limit
Voltage/Current rating UL Applications	125 Volts AC / 1.5 Amps	125 Volts AC / 1.5 Amps
Dielectric Withstanding Voltage	1000 Volts DC / AC Peak	≥1000 Volts DC / AC Peak
Contact Resistance	200mΩ minimum	≤ 20mΩ
Insulation Resistance	500MΩ	≥ 500MΩ
Current carrying capacity		1A at 50°C

Packaging	Requirement (per IEC 60603-7-4)
Packaging type	Foil Bag
Items per bag	6 pcs / bag
Foil bag size (M)	175mm(W)*230mm(H)*35mm(G)
Master carton quantity	60 foil bags
Master carton size	558(L)*298(W)*275(H)

Part No	Foil Bag / unit	Inner Ctn Bag Qty	Master Ctn Bag Qty
T2R45J-C6XU-WH	1 bag / 6 pcs	20	60
T2R45J-C6XU-BK	1 bag / 6 pcs	20	60

37.70mm / 1.48in   17.10mm / 0.67in   23.64mm / 0.93in   CAT 6