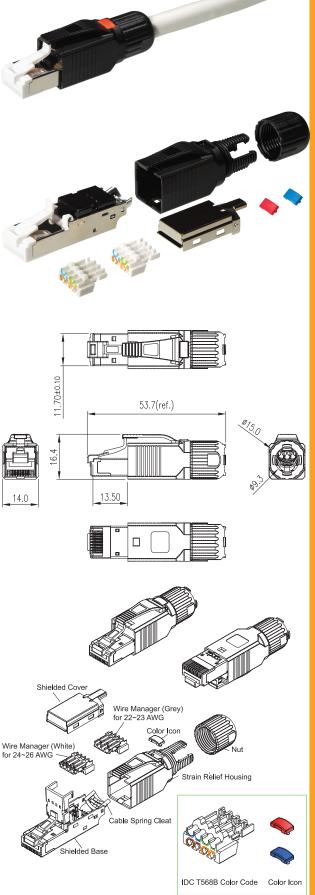




ONE RJ45 CAT6a Field Termination Connector

The Kordz Category 6a Shielded Field Termination RJ45 Connector offers easy, toolless termination and complies fully with ISO/IEC 11801 2.2 Edition Category 6a and ANSI/TIA-568-C.2 Category 6A standards for applications up to 10GBase-T Ethernet and frequencies up to 500Mhz. It offers a fully shielded brass nickel plated base, bronze nickel plated cover and gold plated phosphor bronze contact pins. Suitable for cable diameters between 6 and 8.5mm, whilst the strain relief is provided by the compression nut on the back of the connector. IDC termination accepts wire guages 22~26AWG. Two different wire managers are provided, one for 22~23AWG wires and the other for 24~26AWG wires. The connector is IP20 rated and 360° degrees shielding for greater tolerances to EMI/EMC. Designed and engineered for site termination and installation ease.

| Technical Specifications | |
|-------------------------------------|---|
| Part #: P1R45M-C6AS-BK | |
| Performance category | CAT6a |
| Applications standard | ANSI/TIA-568-C.2 IEC 60603-7-51 ISO/IEC 11801 2.2 Edition CENELEC 50173-1:2011 |
| Application support | 10Base-T to 10GBase-T |
| Housing material | Polycarbonate(PC) |
| UL flammability rating | UL94V-0 [RoHS Compliant] |
| Contact type | Three prong for solid/stranded wires |
| Contact material | Gold over Nickel plating |
| Contact plating | Gold Plating 50μ [1.27μm] |
| Housing colour | White connector / Black outer case |
| Shield type | Shielded |
| Wire-Holder | PBT+10% GF |
| Plug-Contact | T=0.35mm Phosphor Bronze |
| Contact Area | Gold over Nickel Plating |
| IDC Contact | T=0.4mm Phospur Bronze, Sn over Nickel Plating |
| Shielded Base | T=0.5mm Brass, Nickel Plating |
| Shielded Cover | T=0.3mm Phosphor Bronz, Nickel Plating |
| Operating temperature | -40° to 70°C |
| Current rating | 1.5Amps |
| Dielectric withstanding voltage | 1000Volts AC RMS 60Hz, 1 minute |
| Contact resistance | \leq 20m Ω @ 100mA max. 50mV max. |
| Insulation resistance | ≥ 500MΩ @500V DC |
| Insertion/Extraction cycles | ≥ 1000 mating cycles |
| Cable to Connector Tensile Strength | 9kg (20lbs) (89N) min. |
| Wire gauge min/max | min: 0.92mm Ø max: 1.28mm Ø |
| Conductor diameter min/max | min: 0.405mm Ø (26AWG) max: 0.641mm Ø (22AWG) |
| Maximum cable jacket diameter | 6.0 - 8.5mm ODØ |
| Packaging | |
| Packaging type for each conector | PE Bag |
| Items per box | 10 pcs |
| Box size | 150mm[w] x 110mm[d] x 70mm[h] |
| Master carton box | 28 Inner boxes |
| Master carton size | 485mm[w] x 365mm[d] x 230mm[h] |
| Recommended tool | |
| Model No. | NO TOOL REQUIRED |
| | |



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