

Connector for Cat 6A RJ-45

Toolless Industrial Field Plug For Stranded and Solid Cores

Application

NEK Sealine's toolless industrial field plug is suitable for indoor and outdoor use, enables for easy termination and meets the latest industry standards and performance criteria. They require no special tools and are compatible with all cables in the LanMarin® CAT cable. Conforming to ANI/ TIA/ EIA 568C.2, it is also backwards compatible with Category 5e, Category 6 and Category 6A ethernet cables and offers up to 750 contact cycles.

- ✓ **Suitable for industrial applications**
- ✓ **Designed for 750 mating cycles**
- ✓ **Suitable for both solid and stranded conductors ranging from 22 AWG to 24 AWG**
- ✓ **Primary insulation accommodates thickness from 1.2mm to 1.5mm**
- ✓ **Cable diameter varies from 6.0mm to 8.5mm**
- ✓ **Meets Category 6A performance standards**
- ✓ **Fully shielded**
- ✓ **Operating temperature range of -40 to 70°C**
- ✓ **Suitable for stranded and solid cores**



Electical Data

Contact Resistance	20 [Ω]
Withstand Voltage	DC 1000 [V] AC700V RMS 60HZ, 1 mim
CAT 8 Permanent Link	Conform to ANI/ TIA/ EIA 568C.2
Insultation Resistance	≤ 250 [$M\Omega$ @ 100 VDC]

Environmental

Operation	-10 – +60 [$^{\circ}$ C]
Storage	-40 – +70 [$^{\circ}$ C]

Mechanical

Shielded Material	Zinc Alloy
Insulation	PC
Pins	Phosphor Bronze, Gold plating 3U
Terminal Pins	Phosphor Bronze, Sn plating
Shielded Material	Zinc Alloy

Part No.	65500
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It is recommended to use the NEK KABEL cable in conjunction with NEK KABEL RJ45 Toolless Industrial Field Plug to reach the full Class EA 500MHz on the link.

