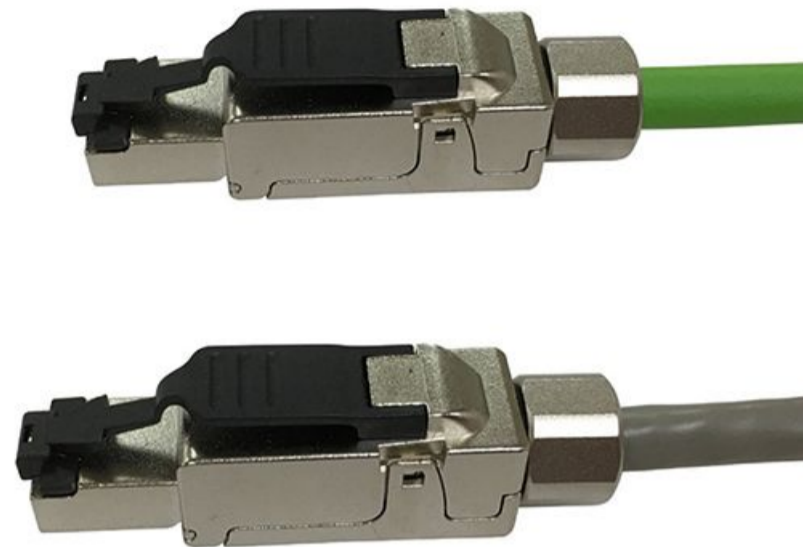


## DuraMAX Cat.6 RJ45 Industrial STP Plug

As more and more industrial devices and appliances are controlled using a connection to the IT network, a more noise-tolerant and robust-structured modular plug is required compared to a common office LAN application plug. The plugs and cables must have a strong shielded structure to handle electrical noise and they must also be designed to work in harsh environments such as extreme temperatures, humidity, or vibration.

The DINTEK DuraMAX+™ industrial-grade Cat.6 RJ45 field plug has been designed for easy installation and field termination while being contained in a rugged package. The plug features a fully shielded die-cast housing and is a highly durable Cat.6 compliant component.

Effortless termination has been achieved using the ezi-CONNECT™ IDC system, which allows a reliable and easy termination process without the need to strip the wires.



### Features

- Cat.6 STP field termination capability
- Industrial strength body casing
- Compatible with Cat.6 component performance under (ANSI/TIA-568-2.D)
- Fully shielded metal housing guarantees secure and reliable transmission performance
- A fast and reliable termination helps save labor costs

### Supported Topologies

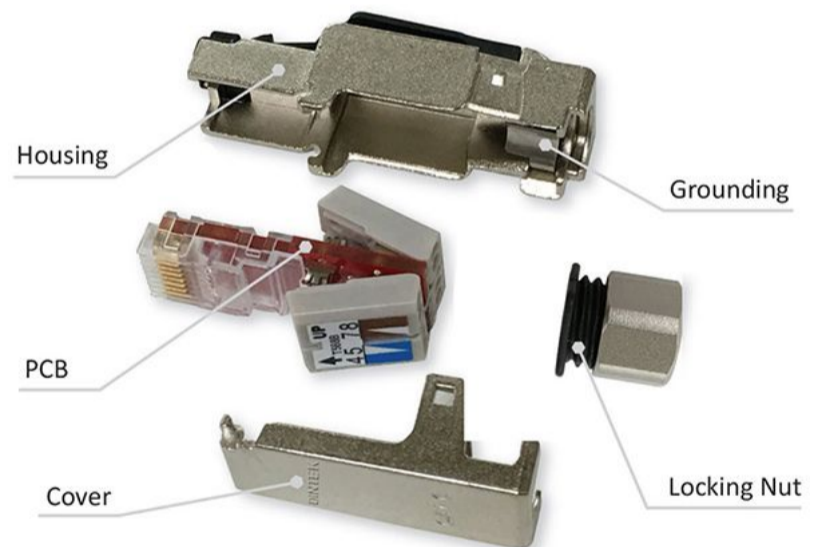
- 10BASE-T to 1GBASE-T
- HDBASE-T
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT (POH)

### Standards Conformance

- Technology Report FORCE Technology - T822748, DANAK-19/18853

### Applications

- IP Cameras
- Human Machine Interface (HMIs)
- Industrial PCs / Industrial Robots
- Remote I/Os
- Programmable Logic Controllers (PLCs)



### Ordering Information

Product Number	Product Name	Category	Accepted Gauge
1505-04001	DuraMAX Cat.6 RJ45 Industrial STP Plug (Field Terminated)	Cat.6	22-26AWG
1505-05001	DuraMAX Cat.6A RJ45 Industrial STP Plug (Field Terminated)	Cat.6A	22-26AWG
1505-03001	DuraMAX Cat.5e RJ45 Industrial STP Plug (Field Terminated)	Cat.5e	22-26AWG

## Technical Specifications

### Compliance

<b>Standards Compliance</b>	ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)EN 50173-1:2011 / EN 50173-2:2007 including amendment A1: 2010 ANSI/TIA-568-2.DIEC 61935-2:2010 (Ed. 3.0) (transmission requirements) IEC 60512-99-002 (draft 48B/2531/CD) (plug)
<b>Independent Compliance Report</b>	Independent Compliance Report FORCE Technology-T822748, DANAK-19/18853

### Physical Characteristics

<b>Dimensions</b>	55.3mm(W) x 15.0mm(H) x 13.8mm(D)
<b>Housing</b>	Zinc-alloy fully shielded
<b>Contact Pin</b>	Phosphor bronze alloy plated With 50 micro-inch of gold
<b>Accepted IDC Wire Gauges</b>	22~26AWG
<b>Temperature Rating</b>	Storage : -40°C to +70°C   Operational : -10°C to +60°C

### Electrical Characteristics

<b>Electrical Insulation Resistance</b>	500MΩ min. @ 100V D.C
<b>Dielectric Withstanding Voltage</b>	1000V D.C A.C Peak Contact to Contact or 1500V D.C A.C peak contact to shield: @ 60Hz for 1 minute

## Termination Process

**Step 1:** Put cable through the nut (OD: 6-8mm; 22-26AWG)

**Step 2:** Strip off cable jacket for at least 1.2 Inches and retain a 0.2 inches foil from cable end. Back cover the braid then wrap the drain wire on it

**Step 3:** Put wires through wiring management in accordance with wiring color code

**Step 4:** Press wiring management to terminate wires

**Step 5:** Trim excess wires

**Step 6:** Assemble the wiring management ("UP" on the top surface) into the groove of base housing, and locate the nut in the indicated slot

**Step 7:** Put cover into revolving groove, then press the cover to engage with base housing

**Step 8:** Lock and tighten the nut

**Dis-assembly Instruction:** Unlock the nut. Insert the slotted screwdriver into the slot and rotate to open the jaws. Insert the slotted screwdriver into the slot and rotate to open the wiring management

## DINTEK Electronic Limited

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