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DuraMAX Cat.6A 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.6A 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.6A 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

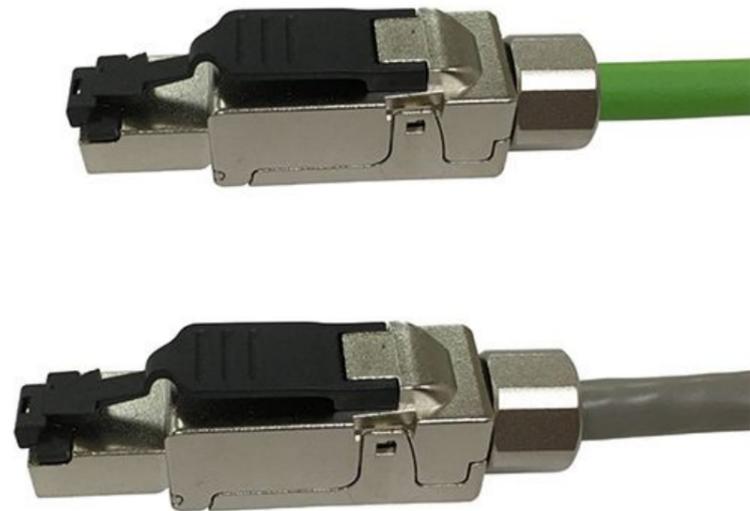
- Cat.6A STP field termination capability
- Industrial strength body casing
- Compatible with Cat.6A component performance under (ANSI/TIA-568-2.D)
- Fully shielded metal housing guarantees secure and reliable transmission performance
- A fast and reliable termination helps save labor costs

Standards Conformance

- 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)

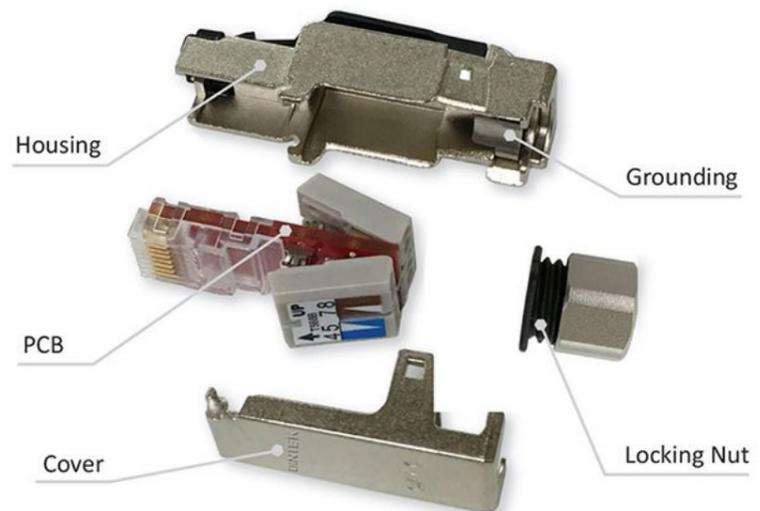
Cat.6A Balanced Cord Requirements

- 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	Qty / Box	Qty / CTN
1505-05001	DuraMAX Cat.6A RJ45 Industrial STP Plug (field terminated)	Cat.6A	22-26AWG	100	600

Technical Specifications

Compliance

Standards Compliance	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)
Independent Compliance Report	FORCE Technology-T822748, DANAK-19/18853

Physical Characteristics

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

Electrical Characteristics

Electrical Insulation Resistance	500MΩ min. @ 100V D.C
Dielectric Withstanding Voltage	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

台北市中山區中山北路二段96號 嘉新第二大樓五樓N511
 N511, 5F, 2nd Bldg, No. 96, Sec. 2, Zhongshan N. Rd. Zhongshan Dist., Taipei City 10449, Taiwan
 P: +886-2-25223138 E-mail: sales@dintek.com.tw W: www.dintek.com.tw

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